MULIKOVSKAYA, Ye.P.

Determining microquantities of nickel in natural waters. Inform. sbor. VSEGEI no.18:59-64 '59. (MIRA 13:11)
(Nickel--Analysis) (Water--Analysis)

SOKOLOV, I.Yu.; AYDIN'YAN, N.Kh.; BELEKHOVA, V.N.; BRODSKIY, A.A., starshiy nauchnyy sotrudnik; GLEBOVICH, T.A.; DALMATOVA, T.V.; KOMAROVA, A.I.; KOMAROVA, Z.V.; KOPYLOVA, M.M.; KUDRYAVTSEVA, M.M.; LIBINA, R.I.; LOGINOVA, L.G.; MARGOLIN, L.S.; MARKOVA, A.I.; MEDVEDEV, Yu.L.; MILLER, A.D.; MULIKOVSKAYA, Ye.P.; NECHAYEVA, A.A.; OZEROVA, N.V.; PALKINA, I.M.; PETROPAVLOVSKAYA, L.A.; POPOVA, T.P.; REZNIKOV, A.A.; SERGEYEV, Ye.A.; SETKINA, O.N.; STEPANOV, P.A.; SUVOROVA, Ye.G. [deceased]; SHERGINA, Yu.P.; PANOVA, A.I., red.izd-va; IVANOVA, A.G., tekhn.red.

[Methodological handbook on the determination of microcomponents in natural waters during prospecting for ore deposits] Metodicheskoe rukovodstvo po opredeleniiu mikrokomponentov v prirodnykh vodakh pri poiskakh rudnykh mestorozhdenii. Moskva, Gos.nauchno-tekhn. izd-vo lit-ry po geol. i okhrane nedr, 1961. 287 p. (MIRA 14:7)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut gidrogeologii i inzhenernoy geologii (for Sokolov, Brodskiy, Glebovich, Ozerova, Kudryavtseva, Loginova, Markova, Medvedev, Belekhova, Palkina,

(Continued on next card)

SOKOLOV, I.Yu.---(continued) Card 2.
Popova, Petropavlovskaya). 2. Institut geologii rudnykh mestorozhdeniy, petrografii, mineralogii i geokhimii AN SSSR (for Aydin'yan). 3. Vsesoyuznyy nauchno-issledovatel'skiy institut metodiki i tekhniki razvedki (for Miller, Sergeyev, Margolin). 4. Vsesoyuznyy nauchno-issledovatel'skiy geologicheskiy institut (for Mulikovskaya, Reznikov). 5. Vsesoyuznyy nauchno-issledovatel'skiy institut mineral'nogo syr'ya (for Komarova, A.).
(Prospecting---Geophysical methods)
(Water, Underground---Analysis)

REZNIKOV, A.A.; MULIKOVSKAYA, Ye.P.

Colorimetric determination of uranium in natural waters by the arsenazo reagent. Inform.sbor.VSEGEI no.51:135-141 '61. (MIRA 15:8)

(Colorimetry) (Uranium--Analysis)
(Benzenearsonic acid) (Water--Analysis)

REZNIKOV, A.A.; MULIKOVSKAYA, Ye.P.

Luminescence of uranium in natural waters. Inform.sbor.VSEGEI no.51:143-149 '61. (MIRA 15:8)
(Uranium—Analysis) (Water—Analysis) (Luminescence)

REZNIKOV, Aleksandr Abramovich; MULIKOVSKAYA, Ye.P.; SOKOLOV, I.Yu.; KNIPPOVICH, Yu.N., red.; CHUMACHENKO, Z.N., red. izd-va; SHMAKOVA, T.M., tekhn. red.

[Methods of analysis of natural waters] Metody analiza prirodnykh vod. Izd.2., dop. i perer. Moskva, Gosgeoltekh-izdat, 1963. 403 p. (MIRA 16:8)
(Water, Underground--Analysis)

MULIKOVSKAYA, Ye.P.

Determining vanadium in natural waters. Trudy VSEGEI 117:79-84 '64.
(MIRA 17:9)

PUZANOV, I.I., prof., doktor biolog.nauk,red.; PRENDEL', A.R., prof., red.; MULIKOVSKIY, K.P., red.; BABICH, N.M., tekhn.red.

[Materials on the fishing and hydrobiology of estuaries of the northwestern part of the Black Sea; food resources of estuaries of Ismail Province; collection of scientific articles] Materialy po gidrobiologii i rybolovstvu limanov severozapadnogo Prichernomor'ia; kormovye resursy limanov Ismail'skoi oblasti; sbornik nauchnykh statei. Odessa, Odesskoe obl. knizhno-gazetnoe izd-vo, 1952. 105 p. (MIRA 11:12)
(Black Sea region--Marine biology)

VASMUT, A.S.; PETROV, G.N.; BALKANOV, A.F.; MULIN, A.I.

Concerning the automation of the reproduction of map titles and point symbols. Geod. i kart. no.1:67-73 Ja '65.
(MIRA 18:3)

MULIN, A.Ya., agronom

Heroic work of Volgograd farmers. Zemledelie 24 no.11:9-12 N '62. (MIRA 16:1)

1. Zamestitel' nachal'nika Volgogradskogo oblastnogo upravleniya proizvodstva i gazotovok sel'skokhozyaystvennykh produktov.
(Volgograd Province—Agriculture)

SHNEYEROV, Ya.A.; SAVCHENKOV, V.A.; PANICH, B.I.; MONAKHOVA, L.V.; SOTNIK, I.S.; SOKOLOVSKIY, P.I.; MULIN, N.I.

Using reinforcements of St.5ps semi-killed steel. Stal' 24 no.11: 1025-1030 N '64. (MIRA 18:1)

1. Ukrainskiy nauchno-issledovatel'skiy institut metallov, TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy i Nauchno-issledovatel'skiy institut betona i zhelezobetona.

MULIN, N.M., inzhener.

Electrode series heating of brickwork under winter conditions. Stroi.prom.25 no.10:10-11 O '47. (MLRA 9:1)
(Masonry--Cold weather conditions)

DMITRIYEV, S.A., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk;
MULIN, N.M., inzhener, laureat Stalinskoy premii

Hot-rolled corrugated reinforcements made of low-alloy steel. Bet. i shel.-bet. no.1:28-32 Ap '55. (MLRA 8:9)
(Reinforced concrete)

KARTASHOV, K.N.; MIKHAYLOV, V.G.; MULIN, N.M.

Problems in the further development of precast reinforced concrete used in industrial construction. Prom.stroi. 8 no.7:2-5 '60. (MIRA 13:7)
(Precast concrete construction)
(Industrial buildings)

DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk; ARTEM'YEV, V.P., kand.tekhn.nauk

A study of the strength, crack resistance, and hardness of girders with 30KhG2S steel reinforcement. Trudy NIIZHB no. 17:32-67 '60. (MIRA 14:4)
(Reinforced concrete) (Girders)

MULIN, N.M., kand.tekhn.nauk; KOCHETOV, A.I., inzh.

Statistical data concerning the chemical composition and strength characteristics of hot-rolled ribbed reinforcement made of St. 5 steel. Trudy NIIZHB no.23:5-25 '61. (MIRA 14:12)
(Concrete reinforcement)

ASTROVA, T.I., inzh.; DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk

Anchoring ribbed reinforcing bars in ordinary and prestressed concrete. Trudy NIIZHB no.23:74-126 '61. (MIRA 14:12)
(Reinforced concrete)

MIKHAYLOV, K.V., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk

Effective reinforcing steel. Bet. i zhel.-bet. no.1:7-11 Ja '62. (MIRA 15:4)
(Concrete reinforcement)

BRODSKIY, A.Ya.; FRIDMAN, A.M.; MULIN, N.M.; LEYKIN, I.M.; ROSHCHINA, A.A.

Low-alloy ribbed reinforcing steel with large diameters (40 to 90 mm.). Bet. i zhel.-bet. 8 no.7:303-306 Jl '62. (MIRA 15:7)

1. TSentral'nyy nauchno-issledovatel'skiy institut stroitel'nykh konstruktsiy Akademii stroitel'stva i arkhitektury SSSR (for Brodskiy, Fridman). 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for Mulin). 3. TSentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii (for Leykin, Roshchina).
(Concrete reinforcement—Testing)

MULIN, N.M., kand.tekhn.nauk; ARTEM'YEV, V.P., kand.tekhn.nauk;
BELOBROV, I.K., kand.tekhn.nauk; GUZEYEV, Ye.A., inzh.;
KRASOVSKAYA, G.M., inzh.; PETROVA, K.V., inzh.; ZIGAROVSKIY, V.V., inzh.

Basis for calculating the deformations of reinforced concrete elements in the draft of the new standards. Bet. i zhel.-bet. 8 no.11:491-498 N '62. (MIRA 15:11)
(Precast concrete)

ZHUNUSOV, T.Zh., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; MULIN, N.M., kand.tekhn.nauk

Anchoring ribbed hot-rolled large-diameter reinforcement in concrete. Trudy NIIZHB no.26:154-177 '62. (MIRA 15:7)
(Concrete reinforcement)

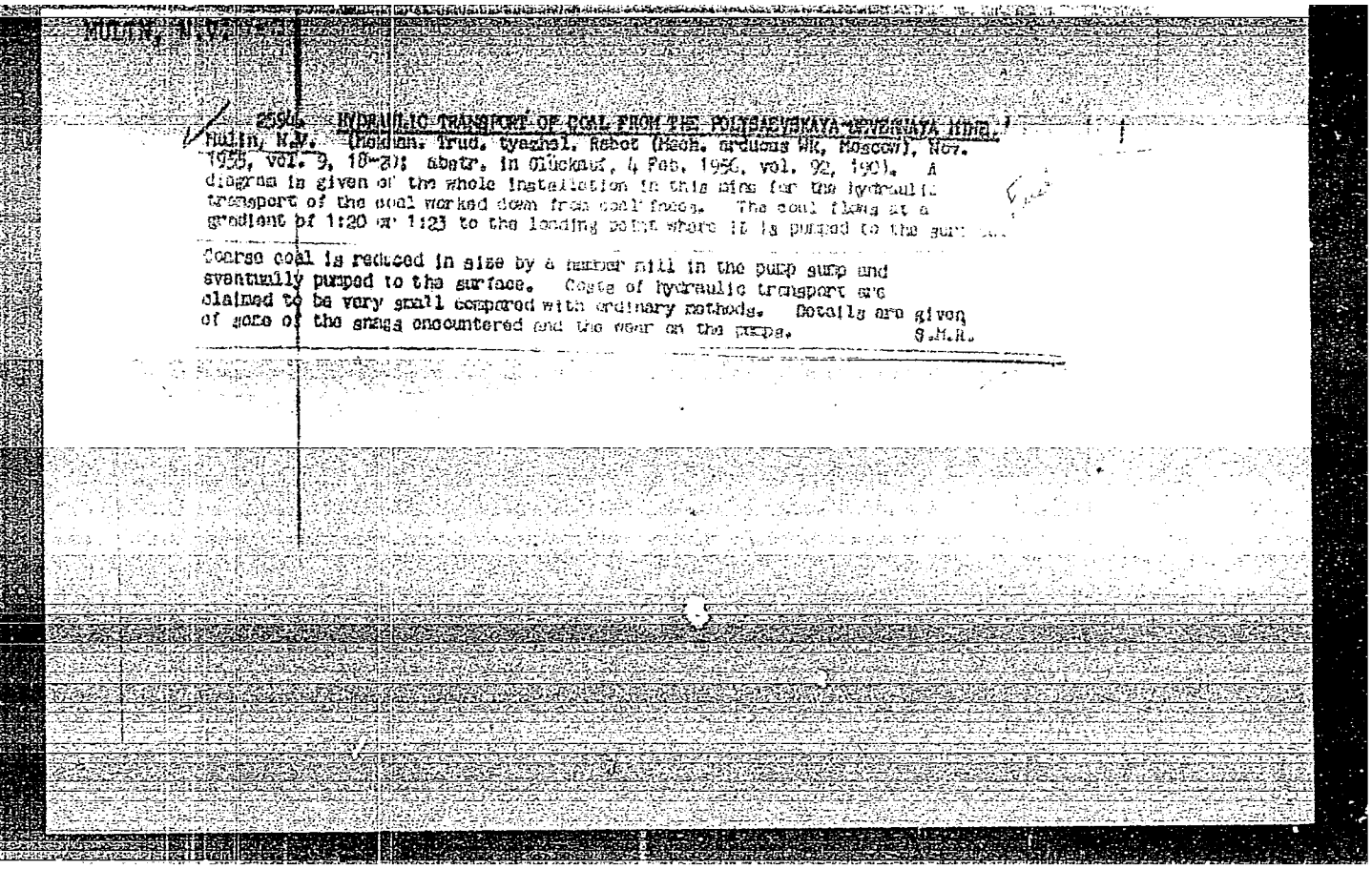
MULIN, N.M.; SOKOLOVSKIY, P.I.; GUZEYEV, Ye.A.; YAKOVLEVA, V.S.

Heat-treated rod steel for the reinforcements of prestressed concrete constructions. Standartizatsiia 29 no.1:29-33 Ja '65.
(MIRA 18:4)

TAL', K.E., kand. tekh. nauk; LESSIG, N.N., kand. tekhn. nauk; Prinimali uchastiye: GVOZDEV, A.A.; ALEKSANDROVSKIY, S.V.; BORISHANSKIY, M.S.; DMITRIYEV, S.A.; KRILOV, S.M.; MIKHAYLOV, K.V.; MULIN, N.M.; NEMIROVSKIY, Ya.M.; CHISTYAKOV, Ye.A.; VASIL'YEV, B.F.; BOGATKIN, I.L.; ZALESOV, A.S.; NIKITIN, I.K.

New standards SNiP II-V. 1-62 for the design of concrete and reinforced concrete elements. Bet. i zhel.-bet. 9 no.3:97-102 Mr. '63. (MIRA 16:4)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury SSSR (for all except Vasil'yev, Bogatkin, Zalesov, Nikitin). 2. Gosudarstvennyy institut tipovogo proyektirovaniya i tekhnicheskikh issledovaniy (for Vasil'yev, Bogatkin, Zalesov, Nikitin).



MULIN, N.V.

2596. HYDRAULIC TRANSPORT OF COAL FROM THE POLYSAYEVSKAYA-GRUSHEVAYA mine. Mulin, N.V. (Mekhan. Trud. tyazhel. Rabot (Mech. arduous Wk, Moscow), Nov. 1955, vol. 9, 18-20; abstr. in Glückauf, 4 Feb. 1956, vol. 92, 190). A diagram is given of the whole installation in this mine for the hydraulic transport of the coal worked down from coal faces. The coal flows at a gradient of 1:20 or 1:23 to the loading point where it is pumped to the surface. Coarse coal is reduced in size by a hammer mill in the pump sump and eventually pumped to the surface. Costs of hydraulic transport are claimed to be very small compared with ordinary methods. Details are given of some of the snags encountered and the wear on the pumps. S.M.R.

SHURSHIN, M.I.; MULIN, N.V.

Hydraulic transportation equipment and its improvement. Ugol' 34 no.3:29-32 Mr '59. (MIRA 12:5)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut Gidrougol'. (Hydraulic mining--Equipment and supplies)

GEYYER, V.G.; GALUSHKO, M.K.; MULIN, N.V.

Air life hoisting and hoisting with chamber feeders. Ugol' 39 no. 9:49-53 S '64. (MIRA 17:10)

1. Donetskiy politekhnicheskiy institut (for Geyyer). 2. Donetskiy nauchno-issledovatel'skiy ugol'nyy institut (for Galushko). 3. Ukrainskiy nauchno-issledovatel'skiy institut gidrodobychi uglya (for Mulin).

SOV/124-57-5-6008

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

AUTHOR: Mulin, S. M.

TITLE: The Three-dimensional Stability of Circular Arches (Prostranstvennaya ustoychivost' krugovykh arok)

PERIODICAL: Sb. nauch. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp., 1956, Vol 22, pp 102-114

ABSTRACT: The author examines the problem of the three-dimensional stability of constant-section and variable-section circular arches acted upon by a uniformly distributed radial load, it being assumed that, when the arch finally buckles, the load upon it will continue to act in a direction parallel to the original uncurved plane of the arch, i. e., to the plane that it occupied prior to its buckling. Starting with the differential equations for the three-dimensional stability of circular arches evolved by Ye. L. Nikolai (Izv. Petrogradsk. politekhn. in-ta, 1918, Nr 17) and employing the grapho-analytical method with conjoint use of matrices developed by A. F. Smirnov (Tr. Mosk. in-ta inzh. transp., 1950, Nr 74), the author arrives at a matrix equation for the three-dimensional stability of an arch. Numerical values for

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The Three-dimensional Stability of Circular Arches

the most characteristic parameters are found by the process of min-max evaluation. A number of examples are examined wherein values are determined for the critical parameters of constant-section and stepped-variable-section fixed and two-hinged circular arches.

G. L. Pavlenko

SOV/124-58-8-9108

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 8, p 113 (USSR)

AUTHOR: Mulin, S.M.

TITLE: The Dynamic Stability of the Plane Flexure of a Strip Beam (Dinamicheskaya ustoychivost' ploskoy formy izgiba balki-polosy)

PERIODICAL: Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp., 1957, Vol 23, pp 80-100

ABSTRACT: The author gives an approximate solution for the problem of the stability of the plane flexure of a strip subjected to periodic forces in the plane of its maximum stiffness. The problem's differential equations are replaced by difference equations (with respect to the three-dimensional variable) which are written in matrix form. To plot the regions of instability, the author employs a method evolved by the reviewer (Inzhenernyy sb., 1953, Vol 14, pp 109-122; RZhMekh, 1953, Nr 1, abstract 331). Inasmuch as the inertial terms corresponding to the torsional vibrations are not taken into account in the paper, the results obtained therein are suitable only for locating the region of predominantly flexural vibrations---provided

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SOV/124-58-8-9108

The Dynamic Stability of the Plane Flexure of a Strip Beam

that the partial frequencies of the flexural and torsional vibrations are sufficiently distinct from each other.

V.V. Bolotin

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SOV/124-58-5-5915

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 5, p 139 (USSR)

AUTHOR: Mulin, S.M.

TITLE: Stability of an In-plane Form of Bending of I-Beams with Step-like Variation in Cross Section (Ustoychivost' ploskoy formy izgiba dvutavrovoy balki stupenchato-peremennogo secheniya)

PERIODICAL: Sb. nauchn. tr. Tomskiy elektromekhan. in-ta inzh. z.-d. transp., 1957, Vol 23, pp 101-113

ABSTRACT: The stability of an in-plane form of bending of I-beams with steplike variation in cross section is investigated by the method of matrices, [ref. Smirnov, A.F., Staticheskaya i dinamicheskaya ustoychivost' sooruzheniy (Static and Dynamic Stability of Structures). Transzheldorizdat, 1947] . A numerical example of critical load determination is included.

V.F. Lukovnikov

1. Beams--Mechanical properties
2. Beams--Test methods
3. Mathematics

Card 1/1

22817
S/044/61/000/002/015/015
C111/C222

10.9110 also 1103, 1327.

AUTHOR: Malin, S.M.

TITLE: Calculation of thin-walled I-beams with respect to stable strength

PERIODICAL: Referativnyy zhurnal, Matematika, no.2, 1961, 26-27 abstract 2V 188. ("Sb. Nauchn. tr. Tomskiy elektromekhan.in-t inzh. zh.-d. transp.", 1959, 28, 3-21)

TEXT: The author proposes a calculation of thin-walled double-T-carriers with respect to stable strength for an eccentric shunt loading with the aid of the matrix method of A.F.Smirnov. The method is applicable for arbitrarily complicated loads and has a great practical value especially for beams with small kinetic parameters. In the case of a flexibly supported beam the system of ordinary differential equations (equations for the equilibrium) established under consideration of the influence of the deformations is reduced to a differential equation with respect to the torsion angle; for the determination of the bending and torsion magnitudes the matrix method is applied to this equation. The author obtains simple matrix formulas for the torsion angles and moments of bending and torsion. It is pointed out that the approximate formula yields satisfactory results for the maximal torsion angle in the middle of the beam as well as for the torsion angles of

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Calculation of thin-walled I-beams... S/044/61/000/002/015/015
C111/C222

other cross sections. Convenient approximate formulas for practical calculations are given for the maximal bimomentum in the cross section under the force if the beam is loaded only by a single load. As an example the author calculates the stable strength of a double-T-beam welded together, where once it is assumed that the forces act in the height of the axis of the beam and the other time the loads lie in the upper edge and the effect of superelevation is considered. The results of the calculation according to this method are compared with the calculation with respect to restrained torsion.

[Abstracter's note: Complete translation.]

Card 2/2

S/044/61/000/003/014/014
C111/C333

AUTHOR: Mulin, S. M.

TITLE: Investigation of the spatial stability of a curved I-arc with stepwise variable cross section

PERIODICAL: Referativnyy zhurnal, Matematika, no. 3, 1961, 36, abstract 3V212. (Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp., 1959, 28, 162-171)

TEXT: The matrix method of elastic loads of A. F. Smirnov is applied to the problem of the spatial stability of a curved I-arc which is subject to a radial load (the author considers a symmetric two-hinge arc, the ball-and-socket joints of which allow a free rotation of the supporting cross sections under a bending from the arc plane). As an example the author investigates the stability of an arc with gradually variable cross section. Here it is shown that the consideration of the variability of the cross section causes no special increase of calculation work. In order to estimate the accuracy of the method the author considers an arc of constant cross section as an example. It is stated that the result obtained with the method of the elastic

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loads differs from the rigorous result for matrices of second order by 2.6 %, while for matrices of higher order the errors are even smaller.

[Abstracter's note: Complete translation.]

Card 2/2

S/124/61/000/003/026/028
A005/A105

AUTHOR: Mulin, S. M.

TITLE: The investigation of the three-dimensional stability of parabolic arches by the matrix calculus

PERIODICAL: Referativnyy zhurnal, Mekhanika, no. 3, 1961, 33, abstract 3V256 (Sb. nauchn. tr. Tomskiy elektromekhan. in-t inzh. zh.-d. transp., 1959, v. 28, 283-297)

TEXT: The author solves the problem of stability of the plane shape of a parabolic arch of variable cross section which is loaded by a vertical uniformly distributed load; he applies the method of elastic loads developed by A. F. Smirnov. The sections into which the arch is subdivided are replaced by circular ones of constant cross section with average radii of curvature. The problems of stability of the two-hinged and fixed arches are solved. The author subdivides the semispan of the fixed arch into two sections and obtains a simple calculation formula for the critical load. The comparison of the stability coefficients calculated from this formula for three different arches with the coefficients obtained from the numerical integration of the stability equations points to

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S/124/61/000/003/026/028
A005/A105

The investigation of the three-dimensional ...

sufficient accuracy of the proposed formula.

L. Vorob'yev

[Abstractor's note: Complete translation]

Card 2/2

L 11210-67 EWT(d)/EWT(m)/EWP(k)/EWP(w)/EWP(v) IJP(c) EM/WW
ACC NR: AR6020075 SOURCE CODE: UR/0124/66/000/001/V055/V055

AUTHOR: Mulin, S. M.

TITLE: Calculating nonlinearly elastic thin-walled shell rods of variable closed profile

SOURCE: Ref zh. Mekhanika, Abs. 1V450

REF SOURCE: Nauchn. tr. Omskiy in-t inzh. zh.-d. transp., v. 50, 1964, 81-94

TOPIC TAGS: nonlinear elasticity, shell theory, nonlinear differential equation, thin walled beam

ABSTRACT: The well-known variational method developed by V. Z. Vlasov is used for calculating thin-walled rods. It is assumed that shear deformation in the middle surface is zero. The method of successive approximations is used for integrating a resolvent system of nonlinear differential equations. Detailed consideration is given to the procedure for calculating a hinged thin-walled shell beam without diaphragms on supports under the effect of a concentrated force in the middle of the span. A numerical example is given illustrating computation of the maximum force for a beam of this type. A. A. Lakhtin. [Translation of abstract]

SUB CODE: 20, 11, 12

Card 1/1 jb

ACC NR: AR6028088 SOURCE CODE: UR/0124/66/000/005/V067/V067

AUTHOR: Mulin, S. M.

TITLE: Calculation of nonlinear, elastic, thin walled, open section rods

SOURCE: Ref. zh. Mekhanika, Abs. 5V525

REF SOURCE: Nauchn. tr. Omskiy in-t inzh. zh.-d. transp., v. 49, 1965, 107-123

TOPIC TAGS: nonlinear rod, elastic structure, thin walled structure, nonlinear differential equation, strain, structure analysis

ABSTRACT: Nonlinear differential equations of the complex strength of a thin walled open-section rod having one axis of symmetry are derived. The relation between strains and displacements is derived with respect to the four-term formula of V. Z. Vlasov (Tonkostennyye uprugiye sterzhni. M., Fizmatgiz, 1959 -- RZhMekh, 1962, 7V326), the relation between stresses σ and strains ε is established in the form $\sigma = E\varepsilon - E_1\varepsilon^3$, where E and E_1 are elastic constants. On the basis of the equations derived the problems of bending and torsion of I- and channel beams are solved. Two examples are given. [Translation of abstract] P. A. Lukash

SUB CODE: 20,13

Card 1/1

MULIN, V.I.

Improving estimations of volumes of earthwork with vertical planning. Prom.stroi. 42 no.2:40-41 '65. (MIRA 18:4)

1. Kazakhskiy tekhnologicheskiy institut.

SOV/64-59-5-11/28

5(1)
AUTHORS: Volkov, G. I., Mulin, Ye. V.

TITLE: On the Thickness of Mercury Layers in Baths With a Mercury Cathode

PERIODICAL: Khimicheskaya promyshlennost', 1959, Nr 5, pp 408-410 (USSR)

ABSTRACT: Extremely thin layers of Hg may be obtained in electrolyzers with wetting Hg-cathode, because thickness is not limited by surface tension. The bottom of the baths, which are in horizontal position, usually exhibits an inclination of 1.5 mm/m and the Hg-layers are 3 - 3.5 mm thick (for the addition rate of 0.1 l/min per cm width of the bath). The rise of the angle of inclination causes a reduction of the layer thickness and, in consequence, of the necessary amount of Hg. The dependence of the layer thickness on the angle of inclination of the bottom plane as well as on the flow velocity of Hg (properly speaking of a weak Na-amalgam) was investigated. The thickness of the amalgam layer was measured by means of an indicator-micrometer with 0.01 mm graduation of scale. Measurements were made in such way that an alternating current circuit closed by the contact of the indicator-micrometer pin with the amalgam; this was recorded

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On the Thickness of Mercury Layers in Baths With a Mercury Cathode

by a voltmeter. The method of measurement was checked in a steel beaker by measuring the increase of the Hg-layer thickness, occurring with the addition of weighed Hg amounts, in fixed position of the indicator-micrometer. Subject of measurement was a steel plate (30 mm wide, 300 mm long, with a raised edge laterally), its angle of inclination was varied by a hinged mounting and was measured by means of a goniometer. The amount of the amalgam, flowing over the steel plate per unit of time, was determined by means of a flowmeter as well as by weighing the amount of amalgam flowing off from the steel plate. The applied steel plates consisted of already used bottoms of electrolyzers as well as of highly polished steel plates. As may be seen from the diagrams obtained (Figs 1,2) the thickness of layer depends on the angle of inclination and on the amount of amalgam flowing by. The diagrams plotted in the coordinates thickness of layer - angle of inclination (Figs 3,4) show, that already with a small increase of the angle of inclination the thickness of layer and the necessary Hg-amount decreases. There are 4 figures.

Card 2/2

MULIN, Ye.V.

Conditions for modeling a vertical chlorine electrolyzer with a filtering diaphragm. Khim.prom. no.7:602-604 O-N '59. (MIRA 13:5)

(Chlorine) (Electrolysis)

KOLOTUKHIN, A.T.; MULIN, Ye.V.

Current density distribution and voltage drop along the height of the anode in a vertical chlorine bath with a diaphragm. Khim. prom. no.5:395-399 Jl-Ag '60. (MIRA 13:9)
(Electrolysis) (Electruc currents)

MULIN, Ye.V.; KOLOTUKHIN, A.T.

Gas-filled solutions in a vertical chlorine bath with a filtering diaphragm. Khim.prom. no.8:652-656 D '60. (MIRA 13:12)
(Electrolysis) (Gases)

KOLOTUKHIN, A.T.; MULIN, Ye.V.

Current efficiency and voltage in a diaphragm-type bath of considerable height. Khim.prom. no.5:313-316 My '61. (MIRA 14:6)
(Chlorine)
(Electrolysis--Equipment and supplies)

MOSHCHANSKIY, V.A.; MULINA, A.V.

Some characteristics of the formation of temperature conditions in the river valleys of the Yakut A.S.S.R. Merzl.issl. no.2:96-114 '61. (MIRA 16:5)
(Yakutia--Frozen ground)

MOSHCHANSKIY, V.A.; MULINA, A.V.

Some data on the structure of the upper part of the permafrost layer within the Lena- Vilyuy watershed. Mersl.issl. no.2:115-128 '61. (MIRA 16:5)

(Lena Valley--Frozen ground) (Vilyuy Valley--Frozen ground)

MULINA, K.

Let's use new building materials. Sel'. stroi. no.5:20 My '62.
(MIRA 15:7)

1. Zaveduyushchaya laboratoriyey tresta Barnaultselinstroy.
(Building materials)

ACCESSION NR: AR4025724 S/0081/64/000/002/P022/P023

SOURCE: RZh. Khimiya, Abs. 2P188

AUTHOR: Mitrofanov, M. G.; Artem'yeva, O. A.; Mulina, T. A.

TITLE: A study of the oil fractions of Anastasian petroleum

CITED SOURCE: Tr. Groznensk. neft. n.-i, in-t, vy*p. 12, 1963, 126-134

TOPIC TAGS: petroleum, petroleum refining, Anastasian crude, cylinder oil, D-11 oil

TRANSLATION: The column distillate of Anastasian petroleum can be used without purification as cylinder oil, Brand 24. After prolonged absorptive purification, 55% can be separated as oil having a viscosity index of 44.7 and a solidification temperature of 22C, which corresponds to the GOST 5304-54 for oil D-11. The residue boiling point exceeds 411C; after absorptive purification and deparaffinization of the residue, 14.4% separates as an oil with a viscosity index of 70 and a solidification temperature of 19C. The distinguishing characteristic of the petroleum and aromatic fractions of Anastasian crude isolated from the column distillate and the residue is the comparatively high content of cyclic hydrocarbons and the

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BARTKEVICIUS, T.S.; MULINA, T.S.; KACHALOVA, K.A.

[The Kretinga fur farm] Kretingskoe zverokhoziaistvo. Moskva, Izd-vo "TSentrosoiuza," 1963. 15 p.
(MIRA 17:8)

GORBULEVA, T.N.; OKULOV, A.B.; MULINA, TS.I.

Diagnosis of underdeveloped lungs in children. Vest. rent. i rad. 40 no.6:16-20 N-D '65. (MIRA 19:1)

1. Rentgenovskoye i khirurgicheskoye otdeleniya Detskoy gorodskoy Klinicheskoy bol'nitsy No.2 imeni I.V. Rusakova i kafedra detskoy khirurgii (zav. - prof. S.Ya. Doletskiy) TSentral'nogo instituta usovershenstvovaniya vrachey, Moskva.

MULINA, TS.I.; LIPKINA, Ye.V.

Pleural empyema in newborn infants. Vop. okh. mat. i det. 6 no.12:36-40 D '61. (MIRA 15:3)

1. Iz detskoy klinicheskoy bol'nitsy No.2 imeni I.V. Rusakova (glavnyy vrach - zasluzhennyy vrach RSFSR dotsent V.A. Krushkov) i kafedry detskoy khirurgii TSentral'nogo instituta usovershenstvovaniya vrachey (zav. - prof. S.Ya. Doletskiy).

(EMPYEMA)
(INFANTS (NEWBORN)--DISEASES)

MULININ, N.M., kand.tekhn.nauk; DMITRIYEV, S.A., kand.tekhn.nauk; KRASOVSKAYA, G.M., inzh.; GVOZDEV, A.A., doktor tekhn.nauk, prof.; KLIMOVA, G.D., red.izd-va; RUDAKOVA, N.I., tekhn. red

[Temporary instructions on the use of thermally strengthened ribbed cable in prestressed concrete elements] Vremennye ukazaniia po primeneniiu termicheski uprochnennoi katanki periodicheskogo profilia v predvaritel'no napriazhennykh zhelezobetonnykh konstruktsiiakh. Moskva, Gosstroiizdat, 1962. 11 p. (MIRA 15:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut betona i zhelezobetona, Perovo. 2. Deystvitel'nyy chlen Akademii stroitel'stva i arkhitektury SSSR (for Gvozdev).
(Concrete reinforcement)

YEROSHENKO, T.; MULINOV, A.; STEPANOV, V.

At the Gul'kevichi Corn Processing Plant. Muk.-elev. prom. 25 no.8:8-9 Ag '59. (MIRA 12:1)

1. Gul'kevicheskiy zavod po obrabotke gibridnykh i sortovykh semyan kukuruzy.
(Gul'kevichi--Corn(Maize))

MULITS, O.V.

Holder for the horizontal setting of extra thread spools on automatic double-cylinder circular knitting machines. Obm.tekh. opyt. [MLP] no.36:7-8 '56. (MIRA 11:11)
(Knitting machines)

MULITS, O.V.

Reverse motion brkse on Cotton's machines. Obm.tekh.opyt. [MLP] no.36:24-27 '56. (MIRA 11:11)

(Knitting machines)

MULJEVIC, V.

Electric gauging of vacuum.p. 207.
(Kemija u industriji, Vol. 5, No. 9, Sept. 1956, Zagreb, Yugoslavia)

SO: Monthly List of East European Accessions (EEAL) Lc. Vol. 6, No. 8, Aug 1957. Uncl.

Muljevic, Wladimir

PHASE I BOOK EXPLOITATION YUG/3988

Savjetovanje indust[illegible]ih elektronicara, Zadar, 1956

Industrijska elektronika; referati odrzani na savjetovanju industrijskih elektronicara u Zadru (Industrial Electronics; Reports Given At the Conference On Industrial Electronics in Zadar, August 6-11, 1956) Zagreb, Komisija za elektronsku drustva alatnicara FNRJ, 1958. 230 p. No. of copies printed not given. No contributors mentioned.

PURPOSE: This collection of reports promotes the use of electric and electronic devices in modernizing industrial plants. It is intended for management and technical personnel of Yugoslav industry.

COVERAGE: The collection contains papers presented during the convention of industrial electronic specialists which took place in Zadar (Yugoslavia) August 6-11, 1956. In these papers, the following problems were discussed: effect of automation on national economy, equipment used for automation of industrial processes, application of radar in modern warfare, industrial television, use of ultrasonics in machining, and computers. In addition to the reports published in this collection, the following papers were presented at the convention: Professor Dr. Josip Lončar, Electrical Engineering Department, Zagreb University "Devices With Ionization Chamber for Measurement of Total and Instantaneous Gamma Radiation as a Factor in Protection Against Radiation"; Artemije Šahnazarov, Shipbuilding Department, Zagreb University. "Utilization of Electronics for Military Purposes"; Tihomir Bratoljić, Electrical Engineering Department, Zagreb University. "Automatic Voltage Regulator for Synchronous Motors"; Maks Konrad, Ruđer Bošković Institute, Zagreb, "Electrical Equipment for Measuring Radiation in Using Isotopes for Scientific and Industrial Purposes", and S. Vukelić, Technical Director of the Vlado Bagat Plant, Zadar. Development and Prospects of the Vlado Bagat Plant. References accompany 9 papers.

TABLE OF CONTENTS:

MULJEVIC, Vladimir, prof. dr inz.

"Automation in technological and economic development" by [prof. dr] Dusan Calic. Reviewed by V. Muljevic. Automacija Zagreb 2 no. 2/4:123 '62.

1. Chief Editor, "Automacija".

MULJEVIC, Vladimir, dr. ing., doc. (Zagreb, Bukovacka 52)

Automation and technical education. Elektrotehnika Hrv 1 no.1-2: 77-80 '58.

1. Predstojnik Zavoda za regulacione i signalne uredaje Elektrotehnickog fakulteta Sveucilista u Zagrebu; urednik strucne rubrike "Regulaciona tehnika i signalni uredaji", "Elektrotehnika"

BREZINSCAK, Marijan, inz.; Muljevic, Vladimir, prof. dr inz. [translator]

"Foundations of automatic control" by [dr] Otto Schafer. Reviewed by M. Brezinscak. Elektrotehnicar 15 no. 1/2: 31-32 '61.

1. Izdavac, "Tehnicka knjiga" (for Muljevic).

MULJUKIN, F.

"Most important tasks concerning the increase of the railways' carrying volume." p. 82. (KOZLEKED ESTUDOMANYI SZEMLE, Vol. 3, no. 3, Mar. 1953. Budapest.)

SO: Monthly List of East European Accessions, Vol. 2, #8, Library of Congress August, 1953, Uncl.

BELOV, Yu.M. (Leningrad); KASHEVSKIY, N.P. (Leningrad);
Prinimali uchastiye: SINYUKOV, F.P., inzh.; MUL'KHANOV, N.I., inzh.;
LUGOVSKOY, V.M., tekhnik; TABARENKOV, K.I., tekhnik;
PETUKHOV, V.V., tekhnik

Hard facing of iron mill rolls with a ribbon electrode.
Avtom.svar. 15 no.10:71-77 O '62. (MIRA 15:11)
(Rolls (Iron mills))
(Hard facing)

ABADZHI, K.I.; MUL'KHANOV, M.I.

Request to measuring instrument designers. Izm.tekh. no.1:92-93 Ja-F '56. (MLRA 9:5)

(Measuring instruments)

MUL'KHANOV, M.I.

Instrument testing and rating records. Izm.tekh. no.1:95 '56.
(MLRA 9:5)
(Measuring instruments)

AUTHOR: Mul'khanov, N.I. 115-5-41/44

TITLE: Ways of Further Simplifying Test Records (Puti dal'neyshego uproshcheniya dokumentatsii poverok)

PERIODICAL: "Izmeritel'naya Tekhnika", No 5, Sep-Oct 1957, p 94 (USSR)

ABSTRACT: The article represents a response to the article "Eliminating Excesses in Records and Reporting" by N.P. Konovalov, on page 92, of this issue of "Izmeritel'naya Tekhnika", in which the record system applied by a Leningrad plant is described as an example of a rational system. The author of the present article considers questionable the practice of checking only the first and the last points of all universal gages (page 11 in the aforegoing article), states that the durability of stamp paint has yet to be improved and a simple method of removing the stamp is yet to be found.

AVAILABLE: Library of Congress

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MULKHLENOV, I.P.

(4)

9255* Interaction of Gases and Liquids by Foam Method. (Russian.) M. E. Pozin, I. P. Mulkhlenov, E. S. Tumarkina, and E. La Torat. *Zhurnal Prikladnoi Khimii*, v. 27, no. 1, Jan. 1954, p. 12-21.

Efficiency of single- and multiple-tray foam reaction towers. Diagrams, graph. 12 ref.

18-12-54
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MulkidzhanYAN, N.P.

SHOSTAK, S.I.; GUSAK, M.I.; MULKIDZHANYAN, N.P., glavnyy khudoshnik.

Designing models for the entire range of clothing. Leg.prom.16 no.12:13-14 D '56. (MLRA 10:2)

1. Nachal'nik tekhnicheskogo upravleniya Ministerstva legkoy promyshlennosti USSR (for Shostak). 2. Direktor assortimentnogo kabineta (for Gusak).

(Clothing industry)

MULKIDZHANYAN, Ya.I.

The genus Echinops L. and its Caucasian representatives. Trudy Bot.inst.AN Arm.SSR 8:5-92 '50. (MLRA 9:8)
(Caucasus--Globethistle)

MULK|DZHANYAN, Ya.I.

Economic significance of Caucasian species of the globethistle.
Biul.Bot.sada [Kriv.] no.10:69-79 '50. (MLRA 9:8)
(Caucasus--Globethistle)

MULKIDZHANYAN, Ya.I.

Propagation biology and phenology of globethistle (Echinops L.)
Biul.Bot.sada [Kriv.] no.12:79-87 '51. (MLRA 9:8)
(Globethistle)

MULKIDZHANYAN, Ya.I.

A.N. Beketov, outstanding Russian botanist. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 6 no.1:95-98 '53. (MLRA 9:8)
(Beketov, Andrei Nikolaevich, 1825-1902)

CHUBARYAN, T.G.; MULKIDZHANYAN, Ya.I.

Wintering of tree and bush varieties in 1953/54 in Erivan and environs. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 7 no.12:35-47 D '54. (MLRA 9:8)

1. Botanicheskiy institut Akademii nauk Arm. SSR.
(Erivan--Plants, Ornamental) (Plants--Frost resistance)

CHUBARYAN, T.G.; MELKIDZHANYAN, Ya.I.

Regeneration of afforested areas by natural seeding in the piedmont semidesert. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki 8 no.5:57-69 My '55. (MLRA 9:8)

1. Botanicheskiy institut AN Arm. SSR.
(Armenia--Reforestation)

MULKIDZHANYAN, Ya.I.

New species of bramble (Rubus sangesura Mulk.sp.nova) in the Armenian S.S.R. Dokl.AN Arm.SSR 21 no.3:133-135 '55.
(MLRA 9:2)

1.Botanicheskiy institut Akademii nauk Armyanskoy SSR.Predstavleno G.Kh.Bunyatyanom.
(Bramble)

MULKIDZHANYAN, Ye.I.; KARAPETYAN, R.A.; ASLANYAN, Sh.G.

New materials on the flora of Armenia. Izv.AN Arm.SSR.Biol.i sel'khoz.nauki. 9 no.4:69-72 Ap '56. (MLRA 9:8)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR.
(Armenia--Botany)

Translation from: Referativnyy zhurnal, Geografiya, 1957, Nr 7, p 137 (USSR) 14-57-7-15037

AUTHOR: Mulkidzhanyan, Ya. I.

TITLE: New Types of the Rubus L. Genus Significant in the Flora of Armenian SSR (Novyye i kriticheskiye dlya flory Armenii vidy roda Rubus L.)

PERIODICAL: Zametki po sistematike i geogr. rasteniy, AN GruzSSR, 1956, Nr 19, pp 46-48, 45

ABSTRACT: The Armenian expedition of 1953-1954 discovered and classified six new species: Rubus peruncinatus, R. piceetorum, R. cartalinicus, R. Zangezura, R. anatolicus, and R. Sanguineus, and also indicated their distribution.

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No name

MULKIDZHANYAN, Ye. I.

New species of the genus Echinops L. from Armenia. Bot. mat. Gerb. 18: 291-296 '57. (MLRA 10:6)

(Armenia--Globe thistle)

MELKIDZHANYAN, Ya. I.

New species of raspberry from Zangezur. Dokl.AN Arm.SSR 24 no.3:125-127 '57. (MLRA 10:5)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR. Predstavleno G.Kh. Bunyatyanom.
(Zangezur range--Raspberries)

MULKIDZHANYAN, Ya.I.

Alexander Humboldt. Izv.AN Arm.SSR.Biol.nauki 12 no.7:95-96 Jl '59. (MIRA 12:10)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR.
(HUMBOLDT, ALEXANDER, 1769-1859)

MULKIDZHANYAN, Ya.I.

Materials on the flora of Armenia. Report No.1. Izv. AN Arm. SSR. Biol. nauki 13 no.4:80-84 Ap '60. (MIRA 14:2)

1. Botanicheskiy institut Akademii nauk Armyanskoy SSR.
(ARMENIA--BOTANY)

VASIL'YEV, A.V.; GULISASHVILI, V.Z., akademik; DMITRIYEVA, A.A.; DOLUKHANOV, A.G.; MATIKASHVILI, V.I.; MAKHATADZE, L.B.; MULKIDZHANYAN, Ya.I.; PRILIPKO, L.I.; SAKHOKIA, M.F.; MIRZASHVILI, V.I., red.; AVALIANI, N.M., red. izd-va; TODUA, A.R., tekhn. red.

[Trees of the Caucasus; wild and cultivated trees and shrubs] Dendroflora Kavkaza; dikorastushchie i kul'turnye derev'ia i kustarniki. Tbilisi, Izd-vo Akad. nauk Gruzinskoi SSR. Vol.2. [Angiosperms. Dicotyledons] Angiospermae - Pokrytosemennye. Dicotyledoneae. Dvudol'nye. 1961. 334 p. (MIRA 15:2)

1. Akademiya nauk Gruzinskoy SSR, Tiflis. Institut lesa.
2. Akademiya nauk Gruzinskoy SSR, Tiflis (for Gulisashvili).
(Caucasus--Angiosperms) (Caucasus--Dicotyledons)

MULKIDZHANYAN, Ya.I.

More on an island of relict flora in the Lesser Caucasus. Izv. AN Arm. SSR. Biol. nauki 14 no.3:71-76 Mr '61. (MIRA 14:3)

1. Botanicheskiy institut Akademii nauk ArmSSR.
(TRANSCAUCASIA--BOTANY)

PANOSYAN, A.K.; MULKIDZHANYAN, Ya.I.; CHILINGARYAN, A.A.; MARKOSYAN, A.G.

Achievements of biological sciences in Soviet Armenia.
Iz ist.est.i tekh. 2:134 '62. (MIRA 18:4)

MULKIDZHANYAN, Ya.I.

Materials on the flora of the Armenian S.S.R. Report No. 3. Izv. AN Arm.SSR.Biol.nauki 15 no.9:21-25 S '62. (MIRA 15:11)

1. Botanicheskiy institut AN Armyanskoy SSR.
(ARMENIA--BOTANY)

MULKIDZHANYAN, Ya.I.; TSATURYAN, G.M.

Turkish hazel (Corylus colurna L.) in Armenia. Izv. AN Arm. SSR. Biol. nauki 18 no.2:41-46 F '65. (MIRA 18:5)

1. Botanicheskiy institut AN Armyanskoy SSR.

MULKIDZHANYAN, Ya.I.

Reviews. Izv. AN Arm.SSR.Biol.nauki 19 no.10:99-100 O '65.
(MIRA 18:12)

1. Institut botaniki AN Armyanskoy SSR. Submitted Sept. 7, 1965.

MULKIDZHANYAN, Ya.I.

A new species of pear Pyrus theodorovii Mulk. from the Armenian S.S.R. Dokl. AN Arm. SSR 40 no.4:249-251 '65.

(MIRA 18:6)

1. Botanicheskiy institut AN Armyanskoy SSR. Submitted October 29, 1964.

MULKIDZHANYAN, Ya.I.; MANAKYAN, V.A.

Some new and little-known plants of Armenia. Izv. AN Arm. SSR. Biol. nauki 18 no.9:55-58 S '65.

(MIRA 18:12)

1. Botanicheskiy institut AN Armyanskoy SSR. Submitted August 5, 1964.

MULKIDZHANYAN, Ya.I.

Eastern plane tree (Platanus orientalis L.) in Transcaucasia. Bot.zhur. 50 no.11:1628-1629 N '65.

1.Submitted November 29, 1963. (MIRA 19:1)

MULKIDZHANYAN, Ya.I.; CHUBARYAN, T.G.

250th anniversary of the Botanical Institute of the Academy of Sciences of the U.S.S.R. Izv. AN Arm. SSR. Biol. nauki 18 no.11:116-117 N '65. (MIRA 19:1)

MULKIDZHANYAN, Ya.I.

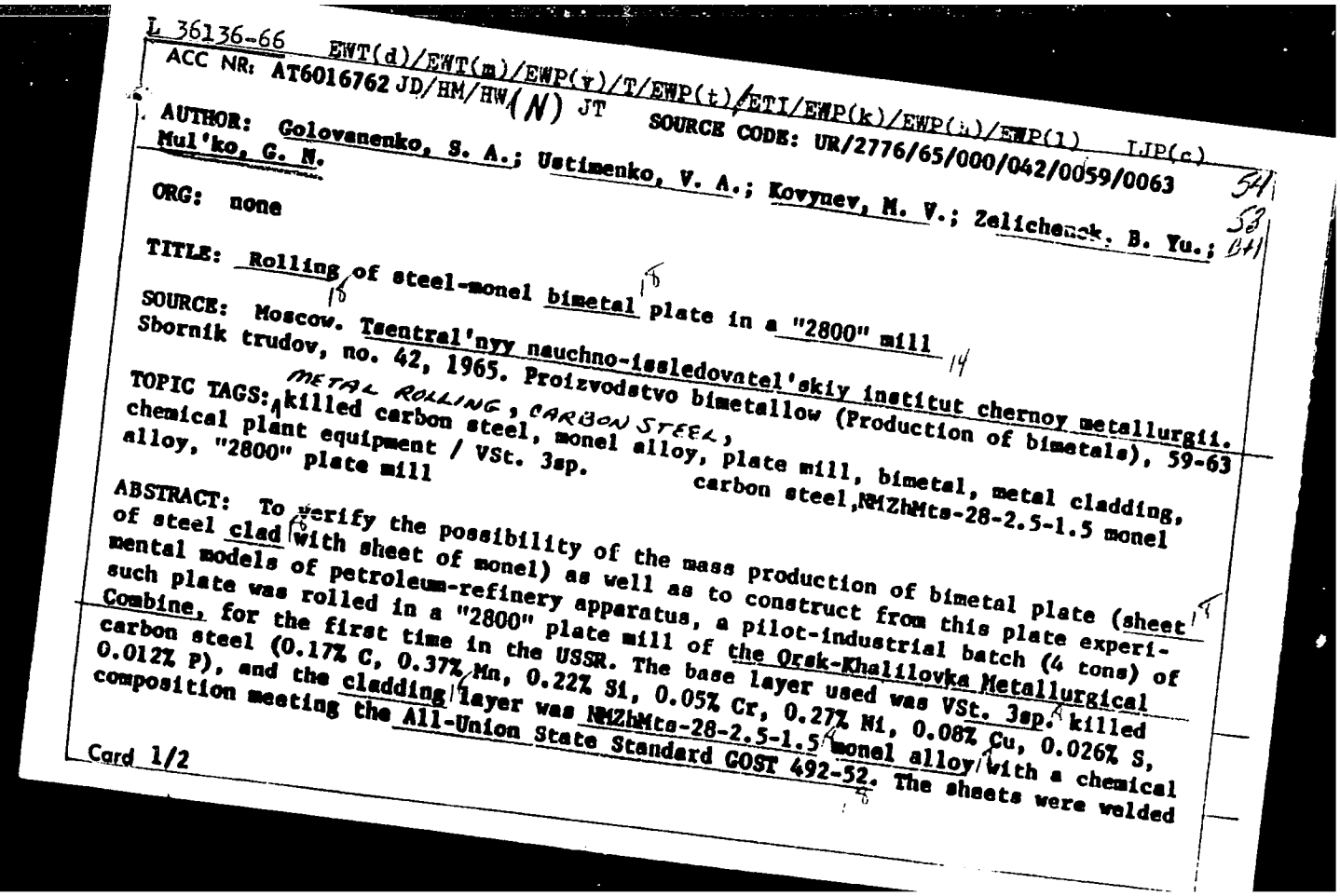
Materials on the genus poplar (Populus L.) in the Armenian S.S.R.
Izv. AM Arm. SSR. Biol. nauki 17 no.3:49-57 Mr '64.
(MIRA 17:5)

1. Botanicheskiy institut AN Armyanskoy SSR.

MUL'KIN, D.

When the consumer is forgotten. Fin.SSSR 37 no.1:70-72 Ja '63. (MIRA 16:2)

1. Nachal'nik upravleniya gosudarstvennykh dokhodov Ministerstva finansov Kazakhskoy SSR.
(Kazakhstan—Manufactures—Finance)



L 36136-66 EWT(d)/EWT(m)/EWP(v)/T/EWP(t)/ETI/EWP(k)/EWP(b)/EWP(l) IJP(c)
ACC NR: AT6016762 JD/HM/HW(N) JT SOURCE CODE: UR/2776/65/000/042/0059/0063

AUTHOR: Golovanenko, S. A.; Ustimenko, V. A.; Kovynev, M. V.; Zelichenok, B. Yu.; Mul'ko, G. N.

ORG: none

TITLE: Rolling of steel-monel bimetal plate in a "2800" mill

SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metallurgii. Sbornik trudov, no. 42, 1965. Proizvodstvo bimetallow (Production of bimetals), 59-63

TOPIC TAGS: killed carbon steel, monel alloy, plate mill, bimetal, metal cladding, chemical plant equipment / VSt. 3sp. carbon steel, NMZhMts-28-2.5-1.5 monel alloy, "2800" plate mill

ABSTRACT: To verify the possibility of the mass production of bimetal plate (sheet of steel clad with sheet of monel) as well as to construct from this plate experimental models of petroleum-refinery apparatus, a pilot-industrial batch (4 tons) of such plate was rolled in a "2800" plate mill of the Orsk-Khalilovka Metallurgical Combine, for the first time in the USSR. The base layer used was VSt. 3sp. killed carbon steel (0.17% C, 0.37% Mn, 0.22% Si, 0.05% Cr, 0.27% Ni, 0.08% Cu, 0.026% S, 0.012% P), and the cladding layer was NMZhMts-28-2.5-1.5 monel alloy with a chemical composition meeting the All-Union State Standard GOST 492-52. The sheets were welded

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L 36136-66

ACC NR: AT6016762

together into laminated strips measuring 191x1000x1810 mm and, prior to their rolling, heated in a continuous furnace for 3 hr. After this, they were rolled under conditions similar to those of the rolling of ordinary steels, in breakdown and finishing stands with rolls of 1100-mm diameter, with final rolling to a thickness of 20 mm in a four-high finishing stand with rolls of 800/1300 mm diameter. During the rolling the current intensity in the armatures of the motors of the two-high breakdown stand was oscillographically recorded and the findings were used to calculate the torque and the pressure exerted by the metal on the rolls during the individual operations. These calculations showed that the maximum rolling stress during the rolling of steel-monel bimetal is 1930 tons, which is substantially below the maximum permissible stress for the rolls (2300 tons). Tests established that the properties of such plate definitely meet the requirements posed to this material by the petrochemical machine building industry and the cost of such plate is, even under conditions of experiment, 30-40% lower than that of solid monel plate and, moreover this reduces the consumption of monel to one-half or one-third as compared with solid monel plate. Thus, it is feasible and expedient to organize the rolling of steel-monel bimetal plate in ferrous metallurgy plants. Orig. art. has: 1 figure, 2 tables, 3 formulas.

SUB CODE: 13, 11 / SUBM DATE: none

Joining of Dissimilar Metals

Card 2/2

POLAND/Chemical Technology. Chemical Products and Their Uses. Part III. Chemical Processing of Natural Gases and Petroleum. Motor and Rocket Fuels. Lubricants. H

Abs Jour : Ref Zhur-Khimiya, No 15, 1958, 51529

Author : Mull, Werner; Rogge, Karol
Inst : -
Title : Modern Natural Gas Drying Methods.

Orig Pub : Przegl. techn., 78, No 23, 977-981

Abstract : Methods for: (1) Elimination of water from gas by means of separators, which installed at gas wells and equipped with photoelements, allow automatic removal of the accumulated water; (2) Gas drying by means of adsorbents; (3) Gas drying by cooling to low temperature with a redu-

Card : 1/2

MULLADZHANOV, A.

In the Council Control Commission. Zdrav.Tadzh. 6 no.2:53-55 Mr-Ap '59. (MIRA 12:9)

1. Zaveduyushchiy otdelom Komissii Sovetskogo kontrolya Soveta Ministrov Tadzhikskoy SSR.
(TAJIKISTAN--DRUG INDUSTRY)
(TAJIKISTAN--MEDICAL SUPPLIES)

MULLADZHANOV, R.K., aspirant

Thermomechanical properties of binding materials for road polyester-resin concrete. Sbor. trud. Khab. avt.-dor. inst. no.2:73-82 '62. (MIRA 18:4)

1. Khar'kovskiy avtomobil'no-dorozhnyy institut.

L 38862-66 EWP(j)/EWT(m) · RM/DJ

ACC NR: AR6015913 (A) SOURCE CODE: UR/0081/65/000/022/S064/S065

AUTHOR: Mullodshanov, R. K.

43
B

TITLE: Plasticization of petroleum polymer resins used in the production of plastic concrete

SOURCE: Ref. zh. Khimiya, Abs. 22S388

REF SOURCE: Tr. Frunzensk. politekhn. in-ta, vyp. 10, 1964, 124-135

TOPIC TAGS: petroleum product, resin, plasticizer, concrete, THERMOMECHANICAL PROPERTY

ABSTRACT: A study was made of the effect of various plasticizing admixtures on the thermomechanical properties of a petroleum resin belonging to the group of coumarin resins forming in the polymerization of by-products of pyrolysis of petroleum gases during the preparation of synthetic ethyl alcohol. The plasticizers used were dibutyl phthalate, lubricating oil "18," and compressor, transformer, spindle, tall, and tung oils introduced in amounts of 20, 25, 30, and 40 wt.%. It is shown that scarce and costly plasticizers can be replaced by less scarce petroleum oils (transformer, spindle oils), particularly with additional plasticization with dibutyl phthalate. Conclusions concerning a possible plasticization mechanism are drawn. Z. Ivanova. [Translation of abstract]

SUB CODE: 11

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