

Call Nr: TJ 1250 .M3

Alternate Cutting Pull Broaches (Cont.)

laboratory of the Chelyabinsk Tractor Plant and called alternate cutting broaches. The book is intended for engineering personnel acquainted with broaches and broaching and may be used also by students of engineering colleges.

COVERAGE:

The alternate cutting broach design originated at the metal cutting laboratory of the Chelyabinsk Tractor Plant is presently in use at other plants like the Khar'kov Tractor Plant, Kolomna Locomotive Plant, and the Khar'kov Transportation Machinery Plant. Engineer P. P. Yunkin of the metal cutting laboratory, Stalingrad Tractor Plant, is mentioned as the developer of progressive broaches - an older design. The alternate cutting broach design was developed by the author, D. K. Margulis, with engineers A. A. Zalesov and S. A. Plekhanov. According to the author, the alternate cutting broaches 1) are significantly shorter than broaches of ordinary

Card 2/12

MARGULIS, D. K.

Call Nr: TJ 1250 .M3

AUTHOR: Margulis, D. K.

TITLE: Alternate Cutting Pull Broaches (Protyazhki peremennogo rezaniya) Design and Calculation (Konstruirovaniye i Raschet)

PUB. DATA: Gosudarstvennoye nauchno-tekhnicheskoye izdatel'stvo mashinostroitel'noy literatury, Moscow-Sverdlovsk, 1956, 220 pages, 6,000 copies.

ORIG. AGENCY: Recommended for printing by the Technical Council of the Chelyabinsk Tractor Plant.

EDITORS: Shabashov, S. P.; Tech. Ed.: Yermakov, N. P.;
Reviewers: Gavrilov, V. N., Eng., Kanashko, P.T.,
Eng., Katsev, Z. V., Eng.; Managing Editor, Ural-Siberian Branch of Mashgiz, V. S. Kravtsov.

PURPOSE: The monograph considers the problems of design, calculation and manufacture technology of round and spline pull broaches designed by the metal cutting

Card ~~1/12~~

MARGULIS, D. K.

USSR/ Engineering - Industrial processes

Card 1/1 Pub. 103 - 4/23

Authors : Margulis, D. K.

Title : Milling of cast iron parts with mineral-ceramic tools

Periodical : Stan. i instr. 2, 7-15, Feb 1954

Abstract : The adoption by the Chelyabinsk Tractor Plant of mineral-ceramic tool tips and bits for the milling of cast iron parts is announced. The ceramic tips were soldered on by means of GrK solder consisting of An, Mn, Fe, Ni, Si, and Cu. The preparation of the metal tools for the soldering-on of the ceramic plates (tips) is described. The effect of the milling speed on the wear and tear of the ceramic tipped tools is explained. Diagrams; drawings; illustration.

Institution :

Submitted :

1. KOSTENKO, M. I., MARGULES, D.
2. USSR (600)
4. Drilling and Boring
7. Rapid drilling of cast iron parts. Stan. i Instr. 24 No. 3, 1953.

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

MARGULIS, D. K., ZALESOV, A. A., KOSTENKO, M. K.

Gear-Cutting Machines

Rapid gear cutting., Stan. i instr., 23, no. 1, 1952.

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

MARGULIS D.K.

ZALESOV, A.A.; KOSTENKO, M.I.; MARGULIS, D.K.; DEM'YANOVICH, A.N., inzhener, redaktor; LOSKUTOV, V.V., kandidat tekhnicheskikh nauk, retsenzent; DUGINA, N.A., tekhnicheskii redaktor.

[Diamondless dressing of grinding wheels] Bezalmaznaia pravka shlifoval'nykh krugov. Pod red. A.N.Dem'ianovicha. Moskva, Gos.nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1952, 77 p. [Microfilm] (MLRA 7:10)
(Grinding wheels)

MARGULIS, B.Ye. (Smolensk); MARNYANSKIY, I.A. (Rovno); OREKHOV, P.S.
(Izhevsk); ZYABLITSKIY, V.V. (Kalinin)

Extracurricular work in mathematics. Mat. v shkole no.1:6β-75
Ja-F '63. (MIRA 16:6)
(Mathematics--Study and teaching)

MARGULIS, B.Ye.

Simplified derivation of Cramer's formulae. Uch. zap. Smol.
gos. ped. inst. No.10:57-61 '62. (MIRA 17:1)

MARGULIS, Boris Yevseyevich; LAFKO, A.F., red.; YERMAKOVA, Ye.A.,
tekh.red.

[Systems of linear equations] Sistemy lineinykh uravnenii.
Moskva, Gos.izd-vo fiziko-matem.lit-ry, 1960. 94 p. (Popular-
nye lektaii po matematike, no.34). (MIRA 14:2)
(Linear equations)

MARGULIS, B. Ye.

Calculus, Integral

Some shortcomings in the manuals of Acad. N. N. Luzin "Differential calculus" and "Integral calculus." Reviewed by B. Ye. Margulis. Usp. mat. nauk 8, No. 1, 1953.

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

MARGULIS, B. Ye.

Some shortcomings in the establishment of a course in higher mathematics with regards to training hydrologists and climatologists in universities. Meteor. i gidrol. no.1:46-51 Ja '52.

(MLBA 8:9)

1. Gosudarstvennyy universitet, Chernovtsy.
(Hydrology--Study and teaching) (Climatology--Study and teaching)

KHARAGORIYEV, S.Ye., inzh.; MARGULIS, B.P., inzh.

Scrap-metal preparation shops in machinery plants. Mashinostroenie
no.4:58-60 J1-Ag '63. (MIRA 17:2)

1. Ukrainskiy gosudarstvennyy proyektyny institut stankostroitel'-
noy promyshlennosti.

KAPKOVA, Z.I., dotsent; MARGULIS, B.A.

Clinical course of food poisoning caused by *Salmonella typhi-*
muriun in children. Vop.okh.mat.i det. 8 no.3:46-49 Mr '63.
(MIRA 16:5)

1. Iz kafedry detskikh infektsionnykh bolezney (zav. - dotsent
A.D. Pevzner) Khar'kovskogo meditsinskogo instituta i 21-y
Detskoy infektsionnoy bol'nitsy (glavnyy vrach N.N. Yezhik).
(FOOD POISONING) (SALMONELLA INFECTIONS)

FOTOTSKIY, Mikhail Vladimirovich; MARGULIS, A.Ya., dots., retsenzent;
SHOLASTER, N.N., dots., retsenzent; MAKAROV, I.P., dots.,
retsenzent; SHABASHOV, T.K., retsenzent (Noginsk); NIKITINA,
N.I., red.

[What is being studied in a mathematical analysis course]
Chto izuchaetsia v kurse matematicheskogo analiza. Moskva,
Prosveshchenie, 1965. 86 p. (MIRA 18:8)

MARGULIS, A.Ya.

Isidor Aronovich Gibsh; obituary. Mat. v shkole no.2:86 Mr-Ap '63.
(Gibsh, Isidor Aronovich, 1883-1963) (MIRA 16:4)

MARGULIS, A.Ya. (Moskva)

In the secondary school section of the Moscow Mathematical
Society (14th year). Mat.v shkole no.6:81-82 N-D '62.

(MIRA 16:1)
(Mathematics--Study and teaching)

MARGULIS, A.Ya. (Drekhovo-Zuyevo)

"Graphic method of teaching physics" by L.I.Reznikov. Reviewed by
A.IA. Margulis. Mat. v shkole no.2:71-72 Mr-Ap '62. (MIRA 15:3)
(Physics--Study and teaching)

MARGULIS, A.Ya. (Moskva)

In the Moscow Mathematical Society. Mat. v shkole no.4:15-17
Jl-Ag '61. (MIRA 14:8)
(Moscow--Mathematical societies)

BEREZANSKAYA, Ye.S.; Margulis, A.Ya.

Aleksandr Iakovlevich Khinchin; obituary. Mat.v shkole no.1:
77-79 Ja-F '60. (MIRA 13:5)
(Khinchin, Aleksandr Iakovlevich, 1894-1959)

MARGULIS, A.Ya. (Orekhovo-Zuyevo)

Investigation of problems. Mat. v shkole no.3:90-93 My-Je '59.
(MIRA 12:9)
(Geometry--Problems, exercises, etc.)

MARGULIS, A.Ya.

REZNIKOV, L.I. (Moskva): MARGULIS, A.Ya. (Orekhovo-Zuyevo).

Interrelation of mathematics and physics courses. Mat.v shkole no.1:
24-27 Ja-F '57. (MLBA 10:2)

(Mathematics--Study and teaching)

(Physics--Study and teaching)

MARGULES, A.U.

Use of compressed wood in the machinery industry of the Kuznetsk
Basin. Mashinostroitel' no.5:41-42 My '65. (MIRA 18:5)

SITNIN, V.K., red.; BARNGOL'TS, S.B., red.; BYCHKOV, P.S., red.;
MARGULIS, A.Sb., red.; METT, G.Ya., dots., red.; KAZANTSEV, A.I.,
red.; SYCHEV, N.G., red.

[Organization and methods for the economic analysis of the work
of enterprises; transactions] Organizatsiia i metody ekonomiche-
skogo analiza raboty predpriatii; trudy. Moskva, Gosfin-
izdat, 1963. 66 p. (MIRA 17:4)

1. Vsesoyuznoye nauchno-tekhnicheskoye soveshchaniye po or-
ganizatsii i metodike ekonomicheskogo analiza raboty pro-
myshlennykh predpriyatiy. 1st, Moscow, 1963. 2. Predsedatel'
komiteta ekonomiki i organizatsii proizvodstva tsentral'nogo
pravleniya Nauchno-tekhnicheskogo obshchestva mashino-
stroitel'noy promyshlennosti (for Mett).

MARGULIS, A.Sh., otv. red.; MEDVEDEVA, R., red.izd-va; TELEGINA, T.,
tekhn. red.

[Daily accounting and control over the cost of production]
Ezhednevnyi uchet i kontrol' za sebestoimost'iu produkcii;
sbornik statei. Moskva, Gosfinizdat, 1962. 95 p.

(MIRA 16:3)

(Costs, Industrial)

KONEV, Vsevolod Dmitriyevich; RUCHIN, Serafim Mikhaylovich;
MARGULIS, A.Sh., red.

[Organization of accounting at enterprises; practices of
the Gorki Automobile Plant] Organizatsiia ucheta na pred-
priiatii; opyt Gor'kovskogo avtozavoda. Moskva, Gosfin-
izdat, 1962. 77 p. (MIRA 16:11)
(Industrial management)

MARGULIS, A.Sh., prof.; BLESHEKOV, A.M.; LOSKUTOV, F.A.; BARNGOL'TS,
S.B.; FILATOV, N.L.; KOROTKOVA, L., red.; MAZURKEVICH, M., red.;
LEBEDEV, A., tekhn. red.

[Economic evaluation of the work of industrial enterprises based on
their accounting records] Ekonomicheskii analiz raboty predpriatii;
po dannym ucheta i otchetnosti. Avtorskii kollektiv pod rukovodstvom
A.Sh.Margulisa. Moskva, Gosfinizdat. Pt.2. 1961. 315 p.

(MIRA 15:6)

(Industrial management) (Accounting)

MARGULIS, A.Sh., prof., prepodavatel'; BARNGOL'TS, S.B., prepodavatel';
PAVLOVA, A.V., prepodavatel'; SHCHENKOV, S.A., prepodavatel';
D'YACHKOV, M.F., prepodavatel'; KONDRA'T'YEVA, A., red.;
MEDVEDEVA, R., red.; LEBEDEV, A., tekhn.red.

[Economic analysis of the work of an enterprise; based on accounting and reports] Ekonomicheskii analiz raboty predpriatii; po dannym ucheta i otchetnosti. Avtorskii kollektiv pod rukovodstvom A.Sh. Margulisa. Moskva, Gosfinizdat. Pt.1. 1960. 470 p.

(MIRA 14:3)

1. Vsesoyuznyy zaobnyy finansovo-ekonomicheskii institut (for Margulis, Barngol'ts, Pavlova, Shchenkov, D'yachkov).
(Industrial management) (Accounting)

MARGULIS, Aron Shimonovich; KOROTKOVA, L., red.; LEBEDEV, A., tekhn.red.

[Accounting in branches of the national economy of the U.S.S.R.]
Bukhgalterakii uchet v otrasliakh narodnogo khoziaistva SSSR.
Izd.3., perer. Moskva, Gosfinizdat, 1959. 462 p. (MIRA 13:2)
(Accounting)

Margulis, A.

MARGULIS, A.

Accounting in the U.S.S.R. is a function of the state administration.
Bukhg.uchet. 14 [i.e.16] no.10:16-24 0 '57. (MIRA 10:10)
(Accounting)

MARGULIS, A.

"Analysis of the economic activity of enterprises." Bukhg.uchet
15 no.10:57-62 0 '56. (MLRA 9:11)
(Accounting) (Industrial management)

MARGULIS, A. SH.

Social Sciences

Accounting in branches of the national economy of the U.S.S.R. Moskva, Gosfinizdat, 1951.

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

I 04411-57

ACC NR: AT6019748

elements is taken into account and illustrative examples cover the case of short circuits and of interruptions. Orig. art. has: 50 formulas, 5 figures, and 5 tables.

SUB CODE: 14/ SUBM DATE: Nov64/ ORIG REF: 003

Ad
C 2/2

L 0411-67 EWT(1) TG

ACC NR: AT6019748

SOURCE CODE: UR/3192/65/000/011/0199/0214

AUTHOR: Margulis, A. M. 41

ORG: none

TITLE: Estimate of the reliability of constant redundancy circuits taking into account the possibility that a system parameter may go beyond the limits of tolerance

SOURCE: Akademiya nauk Latvyskoy SSR, Institut elektroniki i vychislitel'noy tekhniki. Avtomatika i vychislitel'nayatekhnika, no. 11, 1965, 199-214

TOPIC TAGS: system reliability, reliability theory, circuit reliability

ABSTRACT: Constant redundancy represents one of the methods for improving system reliability, the failure of any of the elements, however, results in a change in the output parameters. The author investigates the determination of the probability of failure-free operation of constant redundancy systems up to a specific time, provided the output parameter of the system remains within the limits of tolerance. The solution is presented and the case of small tolerances in the output parameters is discussed. The spread in parameters of individual

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UDC: 621.37/39.019.3

L 26706-66

ACC NO: AT5028453

the probability of the transition of a system containing 2 lines with m elements in each into a system containing either 2 lines with a lesser number of elements or one line. A particular case, when the system parameter S can be expressed in terms of the number of lines and elements, is also considered. Finally, the function of distribution of faultless-operation time is found. Orig. art. n 3 figures and 34 formulas.

SUB CODE: 14, 09 / SUBM DATE: none / ORIG REF: 002 / OTH REF: 002

Card 2/2 M JS

L 26706-66 EWT(1)/EWA(h) TG

ACC NR: AT5028453

SOURCE CODE: UR/2690/65/009/000/0189/0197

AUTHOR: Margulis, A. M.

ORG: none ^A

TITLE: Reliability of reserve circuits with hot redundant elements

SOURCE: ~~KAN~~ LatSSR. Institut elektroniki i vychislitel'noy tekhniki. Trudy. v. 9, 1965. Avtomatika i vychislitel'naya tekhnika, 189-197

TOPIC TAGS: circuit reliability, reliability theory, circuit failure

ABSTRACT: The problem is considered of reliability of a system consisting of n series-parallel-connected identical elements when the characteristic system parameter S deviates beyond permissible limits as a result of failure of m elements (m < n). The system elements may fail due to a break or to a short-circuit; the faultless-operation time of each element has exponential distribution. The probability of failure of an element during ΔT is: $q = (\lambda_s + \lambda_o)\Delta T + o(T)$, where λ_s and λ_o are the failure intensities of short-circuit and break, respectively. Following the V. Feller methods, a system of linear differential equations is set up to describe

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BT1

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UDC: 621.019.3

MARGULIS, A. S.

Simplifying the treatment of Russian leather. Leg.prom. 15 [i.e.16]
no.3:46 Mr '56. (MIRA 9:7)

1.Glavnyy inzhener Kishinevskogo kozhevennogo zavoda No.1.
(Kishinev--Leather industry)

ACCESSION NR: AT4038174

the course of the tests, and after the termination of the transistor reliability tests. The main parameters investigated are the probability of correct operation, the average time of correct operation, the failure rate, and the probability distribution of correct operation time. These parameters are defined in terms of their mathematical expectation, variance, and confidence intervals. The main program and the subprograms are described. Orig. art. has: 2 figures, 10 formulas, and 3 tables.

ASSOCIATION: None

SUBMITTED: 00

DATE ACQ: 04Jun64

ENCL: 00

SUB CODE: IE

NR REF SOV: 003

OTHER: 000

Card 2/2

ACCESSION NR: AT4038174

s/2690/63/005/006/0225/0235

AUTHORS: Zhdanova, Ye. K.; Margulis, A. M.

TITLE: Procedure for processing the results of reliability tests on element parameters

SOURCE: AN LatSSR. Institut elektroniki i vy*chislitel'noy tekhniki. Trudy*, v. 5, 1963. Avtomatika i vy*chislitel'naya tekhnika (Automation and computer engineering), no. 6, 225-235

TOPIC TAGS: statistical analysis, transistor, quality control, reliability, test method

ABSTRACT: A program is developed for processing the initial statistical material gathered on the reliability of transistors by means of a digital computer. The processing program is applied to information gathered during three stages: prior to the transistor testing, after each succeeding measurement of the transistor parameters during

Card 1/2

MARGULIS, Aleksandr L'vovich; GLEBOVA, R.G., red.; SHCHEDRINA, N.L.,
tekhn. red.; VLADIMIRSKAYA, L.S., tekhn. red.

[Benefits for medical workers] L'goty meditsinskim rabotni-
kam. Moskva, Gosiurizdat, 1962. 62 p. (MIRA 15:7)
(MEDICAL PERSONNEL)

MARGULIS, A.L.

Consultations. Zdrav. Ros.Feder. 4 no.1:45-46 Ja '60.

(MEDICAL PERSONNEL)

(MIRA 13:5)

MARGULIS, A.L.

Consultation. Zdrav. Ros. Feder. 3 no.11:43-45 N '59.
(MEDICAL PERSONNEL)

(MIRA 13:3)

MARGULIS, A.

Consultation. Zdrav. Ros. Feder. 3 no.3:47-48 Mr '59. (MIRA 12:4)
(MEDICAL PERSONNEL)

MARGULIS, A.L.

Consultation. Zdrav.Ros.Feder. 2 no.11:48 N'58
(MEDICAL PERSONNEL)

(MIRA 11:12)

MARGULIS, A.L.

Consultation. Zdrev. Ros. Fed. 2 no. 9:47-48 S'58
(HOSPITALS---STAFF)

(MIRA 11:10)

MARGULIS, A.K.; SIMKHOVICH, S.G.

Assembly of multistoried precast reinforced concrete frames.
Prom.stroi. 39 no.8:12-15 '61. (MIRA 14:9)

1. Ural'skiy gosudarstvennyy proyektnyy institut (for Margulis).
2. Trest Tagilstroy (for Simkhovich).
(Framing (Building)) (Precast concrete construction)

MARGULIS, A.K., inzhener.

Efficient assembling crane. Mekh. stroi. 14 no.2:25-26 F '57.
(Cranes, Derricks, etc) (MIRA 10:4)

MARGULIS, A.K., inzhener.

Construction and methods for assembling precast reinforced concrete silos. Nov.tekh.i pered.op.v stroi.19 no.1:9-12 Ja '57. (MLRA 10:2)
(Silos) (Precast concrete construction)

97-57-9-5/17

Joints of Reinforced Concrete Columns with Foundations, Their Construction and Methods of Erection.

the calculated stress in 16 hours, and 60% in 48 hours. The 25% strength is the lowest for the removal of the saddle; and the 60% strength is the lowest for loading the column with additional constructional members. Theoretical allowances for discrepancies of assembled reinforced concrete foundations are rather rigid; for example, a 3 mm discrepancy is allowed from the horizontal level of the footings, and 30 mm between the centres of columns. In practice, this cannot be achieved in assembled constructions. The method using a saddle gives high accuracy and allows discrepancy in the foundations of up to 5 mm in all directions. The following conclusions can be drawn: (1) the most economical method of jointing the column to the footing is by grouting the column into the foundation recess; (2) the conditions under which the assembly takes place should be taken into account in choosing the methods of jointing columns to foundations; (3) where there is any play between the base of the column and the base recess it is advisable to set & centre a column by means of a saddle secured by vertical bolts to the surface of the foundation. There are 3 Figures and 1 Slavic Reference.

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1. Concrete-Precast reinforced columns-Joints 2. Concrete joints-
Joining with anchor bolts-Applications

06/17

Joints of Reinforced Concrete Columns with Foundations, Their
Construction and Methods of Erection.

placing of a column into a footing recess by means of a removable saddle. The author of this article used this method of fixing in 1954 during the construction of a single-storey building for the Amurkabel' Factory. Before positioning, the saddle was fixed to the bottom of the column. This saddle had four legs with adjustable screws, and an arrangement for fixing the column's axis. The free space round the column was grouted in. Fig.6 gives a detailed illustration of the removable saddle. The weight of the saddle is approximately 100 kg, and it can be used for all standard reinforced columns, including the biggest, which are 14.55 m high and 11 tons in weight. The saddle can be assembled in 3-4 minutes and dismantled in 2-3 minutes. The centring of one column is done by two men in 4-5 minutes, instead of by five men taking 100-150 minutes, as prescribed in the work-norms for conventional methods. Positioning of columns with this saddle takes 0.33 men per hour, whereas the ordinary method requires 8.5 men per hour - i.e. 26 times more. The strength of the mix for the grout used in this method should reach 25% of

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Joints of Reinforced Concrete Columns with Foundations, Their Construction and Methods of Erection.

is difficult to check. The above-mentioned centring difficulties have made it necessary to study other means of jointing columns to footings. The method described by L. N. Shchipakin and L. M. Kopp in Beton i Zhelezobeton, 1955, Nr.6 (Ref.1) simplifies grouting, but centring still gives considerable trouble, for, if not properly carried out, it creates bending moments. An alternative development is illustrated in Fig.3. Here the anchoring bolts are welded on to the column, the column rests on the top of the foundation and is grouted into the recess. During assembly, the column is fixed to the foundations by short anchoring bolts. This method again presents difficulties in the exact positioning of the column. When the Leningrad Factory for Reinforced Concrete Products was under construction, the columns were positioned by Stal'mondazh Trust No.5 by means of jacks and a guiding frame (see Fig.4). A column was positioned into a recess, the bottom of which had previously been exactly marked. Four transportable jacks, fixed to the foundation, regulated the axial positions of the column. A guiding frame was used to fix the column into the recess. Fig.5 illustrates the

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97-57-9-5/17

Joints of Reinforced Concrete Columns with Foundations, Their Construction and Methods of Erection.

column. Fig.2 shows the second alternative, which does not require exact positioning of foundations and allows for correction during erection. The column is positioned by angle brackets on anchor bolts, secured above and below the bracket by nuts. Rectification of the position of the column can be made by adjusting the top and bottom nuts. The shortcomings of this alternative are the narrow allowances in positioning of the anchoring boards, the exactness required in positioning the foundations and, finally, the difficulty of producing columns with steel base details amounting to 300 kg per column. The method of setting and grouting a column into a concrete base with the required base recess is very simple, but requires the addition of further steel details, and a high degree of precision when the column is cast. The centring of the column in the recess in two directions is very troublesome, and requires frequent repetition of centring and checking. Further, it is very difficult to concrete the bottom of the recess when the column is centred, and the appropriate tamping of the concrete under the column

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97-57-9-5/17

AUTHOR: Margulis, A. K. (Engineer).

TITLE: Joints of Reinforced Concrete Columns with Foundations, Their Construction, and Methods of Erection. (Konstruktsii stvka zhelezobetonnykh kolonn s fundamentami i sposoby ustanovki kolonn).

PERIODICAL: Beton i Zhelezobeton, 1957, Nr.9. pp. 355-359. (USSR).

ABSTRACT: Two known constructional methods of joining columns to footings are described. The first method consists of a steel grill foundation and holding-down bolts; the second is a method whereby the foot of the column rests on the top of the foundation, and is anchored to it by holding-down bolts. The Kiev Proyektstal'konstruksiya have developed a number of variations of the second method. The variant shown in Fig.1 has two gusset plates welded to the ends of the main reinforcement of the column. These plates should be strictly vertical and of the same length. They rest on rolled steel joists concreted into foundations, and are held down by anchoring boards through angles welded to the gusset plates. This first alternative is rather laborious and requires approximately 150 - 400 kg of steel, which equals the whole weight of the reinforcement of the

Card 1/5

MARGULIS, A. I., inzh.

Calculating bolted group joints. Vest. mashinostr. 42 no. 12:
25-28 D '62. (MIRA 16:1)

(Fastenings)

Stresses in the conjunction ...

25243

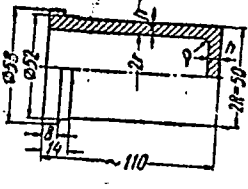
S/122/60/000/003/005/015
A161/A130

the data that the cylinder shape with conjunction radius can be presented by a generalized dimensionless $\frac{h}{R^2_{mean}}$ factor having a clear correlation with the α factor. The values of this dimensionless general parameter and corresponding α are:

| | | | | | | | | | |
|------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| $\frac{h}{R^2_{mean}}$ | 0.250 | 0.125 | 0.090 | 0.050 | 0.045 | 0.018 | 0.010 | 0.005 | 0.002 |
| α | 0.70 | 1.02 | 1.17 | 1.57 | 1.65 | 1.16 | 2.65 | 3.31 | 4.5 |

There are 6 figures and 1 table.

Fig. 1:



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S/192/40/000/003/005/015
A151/A15

Stresses in the conjunction ...

ness was taken equal to the well thickness. Only a minimum of experiments was carried out in view of laborious procedures - only three $\frac{r}{R_{mean}}$ (0.1; 0.3; 0.5),

and three $\frac{h}{n}$ for each $\frac{r}{R_{mean}}$ (0.3; 0.5; 1.0), i.e., nine cylinders in all.

Models were cast from МИХМ-ИМАШ (MIKHM-IMASH) acrylic-alkyle material.

Stresses were examined initially with polarization, by freezing and cutting. The examination method details are not described, for they present no novelty. But one detail is mentioned - a compensation piston device having been used for compensating the inevitable leak and dilatation difference at room temperature and at freezing. It was necessary because of very hours needed for temperature raise and lowering in the freezing process, and a considerable change of oil pressure inside the model. The device automatically compensated the change of oil volume. The maximum σ_{max} stresses in conjunction are expressed in tangential σ_{τ} stress on the inner surface, calculated using Lame method in the form of $\sigma_{\tau} = \frac{R_{max}}{r} p$ factor, where

$$\sigma_{\tau} = \frac{R^2 + r^2}{R^2 - r^2} p$$

and p is the pressure in the cylinder. Curve groups were plotted in function of independent variables $\frac{p}{n}$ and $\frac{r}{R_{mean}}$. But it turned out in further analysis of

Card 2/3

25243

S/122/EC/000/003/005/015
A161/A13C

24-0002

AUTHOR: Mergulis, A.I., Engineer

TITLE: Stresses in the conjunction of bottom with cylinder under inside pressure

PERIODICAL: Vestnik mashinostroyeniya, No. 3, 1960, 35 - 37

TEXT: The spot of conjunction between the bottom and wall of high-stressed thick-wall cylinders under inside pressure poses particular problems for designers. Failure in the conjunction demonstrated that stresses exceeded the values calculated for the cylindrical portion farther from the bottom. But it is impossible to evaluate these stresses in advance, for a theoretical analysis does not exist. The author suggests to utilize the results of his experiments (conducted together with N.N. Borodina and L.I. Golitskiy) to write the relation

$$\frac{\sigma}{\sigma_{\text{max}}} = \frac{E(R-r)}{E(R-r) + \sigma_{\text{max}} r}$$

was proposed for the cylinder parameter (Fig. 1) characterized by its wall thickness, and the conjunction coefficient was determined by relation $\frac{\sigma}{\sigma_{\text{max}}} = \frac{5}{1 + \dots}$. The bottom thick-

Card 1/3

GONCHAROV, S.P.; KITSENKO, V.V.; MARGULIS, A.I.; CHERNYAVSKIY, L.G.;
RZHAVSKIY, N.A., kandidat tekhnicheskikh nauk, redaktor; MAEKUS,
M. Ye., inzhener, redaktor; MATVEYEVA, Ye.M., tekhnicheskij
redaktor; SOKOLOVA, T.F., tekhnicheskij redaktor.

[Measurements of strains and stresses; handbook] Izmerenie
napriazhenii i usilii; spravochnoe posobie. Moskva, Gos. nauchno-
tekhn.izd-vo mashinostroit. lit-ry, 1955. 66 p. (MLRA 8:9)
(Strains and stresses)

MARGULIS A.D.

USSR/Atomic and Molecular Physics - Physics of the Atom

D-1

Abs Jour : Ref Zhur - Fizika, No 1, 1958, 661

Author : Margulis, A.D.

Inst :

Title : Level Shift of Atomic Electrons.

Orig Pub : Uch. zap. Mordovsk. ped. in-ta, 1956, vyp. 3, 47-67

Abstract : Survey.

Card 1/1

MARGULIS, A.

Benefits for rural medical personnel. Sov. profsoiuzy 20
no.3:42-44 F '64. (MIRA 17:3)

1. Nachal'nik otdela Ministerstva zdravookhraneniya SSSR.

MARGULIES, Zygfryd, mgr inz.

Application of mathematical machines in the chemical industry.
Chemik 16 no.11:332-336 N '63.

MARGULIES, Zygfryd, mgr inż.

Development trends of the petrochemical industry in the United States and Western Europe. Chemik 15 no.6:192-194 Je '62.

1. Prosynchem, Gliwice.

MARGULIES, Z.

"Preparation of Phthalic Anhydride", p. 505, (PRZEMYSŁ CHEMICZNY, Vol. 10, No. 10, Oct. 1954, Warszawa, Poland)

SO: Monthly List of East European Accessions, (MEAL), LC, Vol. 4, No. 5, May 1955, Uncl.

SOV/32-25-4-22/71

The Oscillographic Testing Method for Magnetic-soft Materials

2 of which are Soviet.

ASSOCIATION: Moskovskiy energeticheskiy institut (Moscow Power Engineering
Institute)

Card 3/3

SOV/32-25-4-22/71

The Oscillographic Testing Method for Magnetic-soft Materials

value of the induction and of the voltage of the field (which corresponds to the obtained loop curve) is computed. Tests were carried out for determining the measuring errors at toroidal samples of the steels E 31 and E 42 at inductions of 1000 to 16000 gauss and frequencies of 50 cycles per second. The measurements were made at a ferrograph (manufactured in the MEI) (Ref 2) as well as at a circuit diagram ferrograph-ferrometer-wattmeter (consisting of the oscillograph E04) (Fig 2). It is pointed out that the frequency error and also the relative variation of the initial phases of the 1, 3 and 5 harmonics play an important part. The dynamic loop curve (from the ferrograph) and points of the loop (from the ferrometer) for a steel sample E 31 at 14600 gauss and

$\frac{R}{x_c} = 100$ (Fig 3), as well as some test results (Table) are

given. The principal error in determining the losses at the ferrograph as well as at the ferrometer is made in plotting the dynamic loop and in establishing the loop area with the planimeter. There are 3 figures, 1 table, and 3 references,

Card 2/3

25(6)

SOV/32-25-4-22/71

AUTHORS: Kifer, I. I., Marguleva, V. U.

TITLE: The Oscillographic Testing Method for Magnetic-soft Materials
(Ob ostsillograficheskom metode ispytaniy magnitno-myagkikh materialov)

PERIODICAL: Zavodskaya Laboratoriya, 1959, Vol 25, Nr 4, pp 434-437 (USSR)

ABSTRACT: The oscillographic method of testing ferromagnetic materials (with a ferrograph) is not satisfactory; therefore it is recommended (Ref 1) to use the ferrograph not for measurements but only for observing the behavior of the samples. In the present case the calibration of the oscillograph which was necessary after every determination is eliminated, and the conditions for increasing the measuring accuracy of the ferrograph are established. The former can be reached by using a circuit diagram (Fig 1) which - simultaneously with recording the loop curve - permits the measurement of the mean value of the tension E_{av} at the measuring winding of the sample w_2 and the amplitude of the voltage drop at the test resistance R_0 (device V_a) which is connected in series with the magnetizing test winding w_1 . After the values E_{av} and V_a , the maximum

Card 1/3

MARGULESCU, G.

Separation of spin states of particles with maximum spin
2 in V_4 in the approximation $\hbar \neq 0$. Comunicarile AR 13 no.10:851-856
'63.

1. Comunicare prezentata de academician G. Vranceanu.

MARGULESCU, D., candidat in stiinte economice

"Profitableness and its paths of prosperity in industrial enterprises" by I. Iticovici. Reviewed by D. Margulescu. Probleme econ 15 no.7:137-140 JI '62.

MARGULES, E.I.

Solid hard-alloy rest. Mashinostroitel' no.5:32 My '63.
(MIRA 16:7)

(Lathes)

MARGULFS, A.U.

Wood pressing shop. Mashinostroitel' no. 4:38 Ap'64 (MIRA 17:7)

MARGULES, A.U.

Multiple machining of bearing caps on a drilling machine.
Mashinostroitel' no. 5:35 My '64. (MIRA 17:7)

MARGULES, A.U.

Parts made of wood particles. Mashinostroitel' no.11:30 N '63.
(MIRA 16:11)

MARGULES, A.U., inzh.

Mechanization of repair work. Mekh. i avtom. proizv. 17
no.8:28-30 Ag '63. (MIRA 16:10)

MARGULES, A.U.

Unit for separating shot from sand and dust. Mashinostroitel'
no.7:24 JI '60. (MIRA 13:7)
(Shot peening)

MARGULES, A.U., inzh. VOLOVICH, B.M., inzh.

Modernization of equipment for reconditioning molding materials.
Mashinostroitel' no.1:9-10 Ja '60. (MIRA 13:4)
(Molding machines--Technological innovations)

MARGULES, Anton Urenovich; VOLOVICH, Bentsion Mendeleovich; PEPENKO, V.D.,
retsensent; FURER, P.Ya., red.

[Modernizing the equipment of a foundry shop; factory practice]
Modernizatsiia oborudovaniia liteinogo tsakha; opyt zavoda.
Moskva, Gos.nauchno-tekhn.izd-vo mashinostroit.lit-ry, 1960.
60 p. (MIR# 13:12)

(Foundries--Equipment and supplies)

25(2)

SOV/117-59-4-22/36

AUTHOR: Margules, A.U., Engineer

TITLE: An Improved Brake for the Load Lifting Mechanism of Electric Tackles

PERIODICAL: Mashinostroitel', 1959, Nr 4, p 37 (USSR)

ABSTRACT: The short note describes and illustrates a change in the design of electric "TB-1" and "TB-2" tackles produced by the Moskovskiy zavod "Krasnyy metallist" (Moscow Plant "Krasnyy Metallist"), which was carried out at the Luganskiy teplovozostroitel'nyy zavod im. Oktyabr'skoy revolyutsii (Lugansk Diesel Locomotive Plant imeni October Revolution) on the suggestion of locksmith V.G. Gayvoronskiy of the plant's steel foundry. The brake of the altered design works better. There is 1 diagram.

Card 1/1

The Improvement of Molding Machines

SOV/117-59-2-22/27

the casting from the mold were complex and short-lived. The new pneumatic vibrator (Figure 2), put into service in molding machines, proved to be much better and more durable. There are 2 diagrams.

Card 2/2

18(7)

AUTHORS:

Margules, A.U., and Volovich, B.M., Engineers SOV/117-59-2-22/27

TITLE:

The Improvement of Molding Machines (Usovershenstvovaniye formovochnykh mashin)

PERIODICAL:

Mashinostroitel', 1959, Nr 2, pp 39-40 (USSR)

ABSTRACT:

In this article, the authors briefly describe two innovations introduced in the Luganskiy teplovoznostroitel'nyy zavod (Lugansk Diesel Locomotive Plant). 1) The installation of an additional cylinder in the reserve-throw mechanism of molding machines, used for shake-up and separation of the mold from the casting. The use of only one cylinder proved insufficient and called for the manual help of several workers. The installation of the second cylinder was suggested by V.G. Gayvoronskiy and B. M. Volovich. 2) A new pneumatic vibrator suggested by V.G. Gayvoronskiy. The ordinary vibrators used in horizontal molding machines for separating

Card 1/2

The Improvement of the Drive of Punching Frames

SOV/117-58-11-4/36

the drive is a rubber-fabric hose with an outer diameter of 105 and an inner diameter of 65 mm. The roller supports are protected by casings with felt packings (Fig. 3). There are 3 diagrams.

1. Foundries--Equipment 2. Steel castings--Cleaning 3. Industrial
equipment--Performance

Card 2/2

SOV/117-58-11-4/36

AUTHORS: Margules, A.U., Volovich, B.M., Engineers

TITLE: The Improvement of the Drive of Punching Frames (Usovershenstvovaniye privoda vybivnykh reshetok)

PERIODICAL: Mashinostroitel', 1958, Nr 11, pp 6 - 7 (USSR)

ABSTRACT: In the shaped steel casting workshop of the Luganskiy teplovozostroitel'nyy zavod (Lugansk Diesel Locomotive Plant), the forms are punched by using mechanical punching frames driven by electromotors. The lifting capacity of the frames is 5,000 kg, the power 14 kw. The mobile frame (Fig. 1) is placed on 24 spiral springs and is put in to vibrating movement. The mold is placed by a crane on the frame, and is destroyed by the vibrations. The V-shaped drive belt is stretched under the influence of the changing stresses. The roller supports are insufficiently protected against dust. Fedotov, Volovich, and Koritskiy proposed replacing the V-belt drive by a reducer (Fig. 2). The flexible link of

Card 1/2

Building-up of Worn Parts of Load-Hoisting Machines SOV117-56-10-21/35

The vertically moving part of the boom is repaired by a method suggested by the foundry's mechanic, B.M. Volovich, and repairman, A.N. Dragunov (fig. 2). The driving gear of the swivel mechanism of the bridge charging crane is built up to an additional life of 2 years. There are 3 diagrams.

1. Hoists---Maintenance
2. Welding---Applications

Card 2/2

The Modernization of Crane Equipment

117-58-6-4/36

separate gear (Figure 6 and 7). The magnetic mold-type crane has also been modernized by replacing the hand-controlled mechanism of the grab bucket by a special electric cogged-gear drive (Figure 8). This had been suggested by A.N. Dragunov, B.M. Volovich and A.Ye. Voloshin. The turning mechanism of the bridge crane has been modernized by improving the construction of the lower bush (Figure 9). There are 9 figures.

AVAILABLE: Library of Congress

Card 2/2 1. Cranes 2. Crane equipment-Modernization

RDP86-00513R001032320001

AUTHORS:

Margules, A.E. and Volovich, B.M., Engineers

TITLE:

Building-up of Worn Parts of Load-Hoisting Machines (Vostanovleniye iznoshennykh detaley gruzopod'yemnykh mashin)

PERIODICAL:

Mashinostroitel, 1958, Nr 10, pp 27 - 28 (USSR)

ABSTRACT:

The structural steel foundry of the Luganskiy teplovozo-stroitel'nyy zavod imeni Oktyabr'skoy revolyutsii (Lugansk Diesel Locomotive Construction Plant imeni Oktyabr'skaya Revolyutsiya) uses various methods in building up worn parts of load hoisting machines. Fitter and repairman, I.N. Yeromolayev, suggested a welded strip for worn-out support rollers (fig. 1). The hammer-welded strip is of steel 45 and is thermally treated afterwards. The life of these built-up rollers is twice that of new ones. The rims and tracks of the wheels can be repaired more easily when each group of wheels are standardized with respect to diameter.

Card 1/2

117-58-6-4/36

AUTHORS: Margules, A.U. and Volovich, B.M., Engineers

TITLE: The Modernization of Crane Equipment (Modernizatsiya kranovogo oborudovaniya)

PERIODICAL: Mashinostroitel', 1958, Nr 6, pp 9-11 (USSR)

ABSTRACT: In the shaped-steel casting workshop of the Luganskiy teplovozostroitel'nyy zavod imeni Oktyabrskaya Revolyutsiya (Lugansk Diesel Locomotive Plant imeni Oktyabrskaya Revolyutsiya), the equipment of cranes has been modernized. The replacement of worm gears by cogged gears as suggested by A.Ye. Voloshin increased the efficiency factor of the lifting mechanism and the movement of the crane car by 40% to 90%. The diagrams of these mechanisms are represented in figure 1-2. The open cogged gears were replaced by closed cylindrical reducers (Figure 3) to prevent sand, mud, etc. from getting into the gear. The reducer drive has been modernized by replacing the vertical reducer by a horizontal one (Figure 5) as proposed by B.M. Volovich and A.Ye. Volohsin. The lifting mechanism and the mechanism which closes the grab bucket have been separated by a separate electromotor and

Card 1/2

MARGULES, A. U.

AUTHOR: Margules, A.U.

121-4-26/32

TITLE: Ceramic Cutting Tools (Mineralokeramicheskiye Instrumenty)

PERIODICAL: Stanki i Instrument, 1958, No.4, pp. 39 - 40 (USSR)

ABSTRACT: The geometry of ceramic tool tips, their fixing to the tool-holder by bonding or clamping, cutting speeds and feeds as practised at the Voroshilovgrad Diesel Locomotive Plant (Voroshilovgradskiy teplovozostroitel'nyy zavod) imeni Oktyabr'skoy Revolyutsiy are illustrated and stated. The cutting of components with a Rockwell C hardness of 46 is carried out with a 0.5 mm depth of cut. A built-up milling cutter for cast iron is shown. Tool bits cast-in into an aluminium tool-holder achieve cutting speeds of 1 000 m/min. There are 6 figures.

AVAILABLE: Library of Congress

Card 1/1

1. Cutting tools-Ceramics

MARGULES, A.U.

MARGULES, A.U.

Reconditioning spindle bevel holes in heavy milling machines. Stan.
i instr. 28 no.5:38 My '57. (MLRA 10:6)
(Spindles (Machine tools))

66

AUTHOR: Margules, A. U.

TITLE: The Repair of Drilling, Boring and Milling Machine Spindles (Restavratsiya Shpindeley Sverlil'nykh, Rastochnykh I Frezernykh Stankov.).

PERIODICAL: Stanki I Instrument, 1957, No.1. P. 39. (U.S.S.R.).

ABSTRACT: The article describes the replacement of worn Morse cone ends in tool spindles by means of butt welding and subsequent machining.

ASSOCIATION:

PRESENTED BY:

SUBMITTED:

AVAILABLE: Library of Congress

AID P - 5046

Subject : USSR/Engineering
Card 1/1 Pub. 103 - 17/22
Author : Margules, A.
Title : Bimetallic worm gears, their production
Periodical : Stan. i instr., 4, 42, Ap 1956
Abstract : A concise description of the process of making certain bimetallic worm gears (used in traveling cranes and in metal-cutting machines), devised by Engineer Bershitskiy, M. M. and used at the Voroshilovgrad Locomotive Works im. October Revolution. Three drawings.
Institution : As above
Submitted : No date

MARGULAN, A. Kh.

"Kazakhskaya yurta i ee ubranstvo."

report submitted for 7th Intl Cong, Anthropological & Ethnological Sciences,
Moscow, 3-10 Aug 64.

Margulan, A. Kh.
MARGULAN, A. Kh.

New materials on Chokan Valikhanov. Vest. AN Kazakh. SSR 13 no.12:
34-48 D '57. (MIRA 11:1)

1. Chlen-korrespondent AN KazSSR.
(Valikhanov, Chokan Chingisovich, 1837-1865)

MARGULAN, A.Kh.

The most important memorials of the Bronze Age in central
Kazakhstan. Vest.AN Kazakh.SSR 12 no.3:18-33 Mr '56.
(MLRA 9:7)

1.Chlen-korrespondent AN KazSSR.
(Kazakhstan--Bronze Age)

19
 ✓ Determination of the mass of the Λ^0 hyperon. J. Bogdanowicz, M. Danysz, A. Filipkowski, E. Marguit, B. Strzypczak, A. Wroblewski, and J. Zdzienicki (Univ. Warsaw). *Nuovo cimento* 11, 727-9 (1959) (in English).—A stack of pellicules, 10 cm. X 10 cm., of 600- μ Ilford G5 emulsion was exposed to the Berkeley K^- beam; 80 plates were searched to detect decays of the Λ^0 hyperon. Protonic decays (22) of the Σ^+ hyperon at rest have been found; 63 2-prong stars are classified as good examples of Λ^0 -hyperon decay. The qualities of the emulsion are analyzed from the data. A total of 68 2-prong stars are tentatively identified as $\Lambda^0 \rightarrow p + \pi^-$ decays. A histogram shows the distribution of the Q -values as calcd. for these stars. The mass of the Λ^0 hyperon is 1115.42 ± 0.19 m.e.v.

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MARGROT, T.

Cytological findings during the healing of the injured rat auricle.

P. 98, (Ceskoslovenska Biologie) Vol. 6, no. 2, Mar. 1957, Praha, Czechoslovakia

SO: Monthly Index of East European Accessions (EEAI) Vol. 6, No. 11 November 1957

PETROVIC, F.; MARGREITNER, K.

Exposure to ionizing radiations of the population of Croatia caused by medical roentgenographic examinations. Arh hig rada 11 no.1:45-52 '60.

1. Špica bolnica "Dr. M. Stojanovic" i Centralni higijenski zavod, Zagreb.

(RADIOGRAPHY)

MARGOWSKI, Zdzislaw

Occurrence of Acarina and Collembola in some forest and agricultural soils of podzolic and marsh type. Prace nauk roln i leśn 17 no.2:163-211 '64.

1. Department of Soil Sciences, Higher School of Agriculture, Poznan.

MARGOWSKI, ZDZISLAW.

Wplyw czynnikow ekologicznych na wystepowanie i dzialalnosc
zyciowa drobnej fauny glebowej. Poznan, Panstwowe Wydawn.
Naukowe, 1955. 31 p. (Poznanskie Towarzystwo Przyjaciol
Nauk. Komisja Biologiczna. Prace, t. 16, zesz. 4)

SOURCE: East European Accession List (EEAL) Library of Congress
Vol. 5, no. 8, August 1956

MARGOWSKI, Z.

Some observations concerning the influence of vegetation on the presence of invertebrate soil fauna, p. 314. (ROZNIKI GLEBOZNAWCZE, Warszawa, Vol. 3, 1954.)

SO: Monthly List of East European accessions, (EEAL), LC, Vol. 4, No. 6, Jun. 1955,
Uncl.

MARGOWSKI, Janusz

Electric reduction and selsyn control reudctors. Pt. 1. Wiad elek-
trotechn 34 no.1:10-13 Ja '65.

1. Tonsil Works, Wrzesnia.

MARGOWSKI, Janusz

Electric reduction and reduction selsyns. Pt.2. Wiad
elektrotechn 32 no.2:26-30 P 165.

1. Tonsil Works, Wrzesnia.

MARGOWSKI, Janusz

Electric rotary automation parts produced by the TONSIL Works.
Wiad elektrotechn 31 no. 5:102-107 My '63.