

Automatic graduation of accurate electrical measuring instruments.

110-2-8/22

The combination of graduating machine and stabiliser has increased productivity in the graduation of instruments and reduces the overall error of scale marking to 0.05 - 0.07% of the full-scale deflection of the instrument. The apparatus makes possible mass production of high-accuracy instruments, with graduation carried on on the conveyor belt. There are 3 figures, no literature references.

ASSOCIATION: "Vibrator" Works. (Zavod "Vibrator")

AVAILABLE: Library of Congress.

Card 2/2

SOV/115-59-5-16/27

9(3), 28(2)

AUTHORS: Rabinovich, S.G. and Tkachenko, A.N.

TITLE: To the Calculation of Photoelectric Fluxmeters

PERIODICAL: Izmeritel'naya Tekhnika, 1959, Nr 5, pp 30-35 (USSR)

ABSTRACT: The authors state that photoelectric fluxmeters can attain a higher sensitivity than any other service, if they work with a galvanometer. Fig.2 gives the structural scheme of this fluxmeter. The setting is: 1) Measuring coil; 2) transformer for the voltage difference; 3) Galvanometer; 4) photoelectric amplifier; 5) stabilizing link; 6) electron amplifier; 7) negative regeneration coupling. The authors analyse the dynamic characteristics of the photoelectric fluxmeter while it is measuring magnetic current. The transmission function is derived from the function with a condition zero. The input influence is regarded as gradual. After deriving the complete transmission function, the parameters are calculated for the measuring of spontaneous magnetic current. The calculation of a numerical example is added. The presented correlations give the possibility of making calculations for a highly sensitive photo-

Card 1/2

SOV/115-59-5-16/27

To the Calculation of Photoelectric Fluxmeters

electric fluxmeter. For the measuring the changing of a magnetic current, constants are given. The data of the presented calculation were completely confirmed by tests. There are 2 block diagrams, 19 equations and 6 references, 4 of which are Soviet, 1 English and 1 German.

Card 2/2

SOV/115-59-7-18/33

9(3)

AUTHOR: Seliber, B.A., Rabinovich, S.G., Mints, M.B.

TITLE: Universal Direct-Current Percentage Bridges

PERIODICAL: Izmeritel'naya tekhnika, 1959, Nr 7, pp 35-38 (USSR)

ABSTRACT: The authors discuss theoretical aspects of a universal direct-current percentage bridge. Based on these considerations, they describe the R-19 percentage bridge designed and manufactured at the plant "Vibrator". The bridge is designed for measuring resistances in the range of 1 ohm to 1 megohm and has 3 measuring ranges of percentage error ± 0.25 ; ± 2.5 and $\pm 25\%$. The graduation value of the indicating instrument is 0.01, 0.1 and 1% accordingly. For routine engineering measurements, when an accuracy of 0.1-0.3% is adequate, an ordinary resistance box, for example, KMS-6, may be used in the comparison arm of the bridge. A somewhat simplified circuit diagram of the bridge is shown in fig.2, while fig.3 shows a photograph of the bridge. The overall dimensions are 410x300x180mm. The weight is 12 kg. The power required from the network does not exceed 50 watts. There are 2 circuit diagrams, 1 photograph and 5 references, 3 of which are Soviet and 2 German.

Card 1/1

RABINOVICH, S.G.; TKACHENKO, A.N.

Photocompensated regulated rectifiers. Izv.tekh. 20 no.1:39-40
Ja '59. (MIRA 11:12)

(Electric controllers)

RABINOVICH, S.G.

Photocompensation amplifiers having galvanometers supported with
braces. Izv.tekh. no.2:46-48 F '61. (MIRA 14:7)
(Amplifiers, Electron-tube)

MINTS, M.B.; RABINOVICH, S.G.; SELIBER, B.A.; TKACHENKO, A.N.

Designing photoelectric compensation devices. *Izm.tekh.*
no.9:31-34 S '61. (MIRA 14:8)
(Photoelectric measurements)

MINTS, M. B.; RABINOVICH, S. G.; SELIBER, B. A.; TKACHENKO, A. N.

New set of photocompensation devices. Priborostroenie no.11:24-26
N '61. (MIRA 14:10)

(Photoelectric measurements)

RABINOVICH, S.G.; TKACHENKO, A.N.

Universal photocompensation amplifier. Prib. i tekh. eksp.
6 no.4:96-98 J1-Ag '61. (MIRA 14:9)

1. Leningradskiy zavod elektroizmeritel'nykh priborov
"Vibrator".

(Amplifiers (Electronics))

S/115/63/000/002/004/008
E140/E463

AUTHORS: Mints, M.B., ~~Rabinovich, S.G.~~

TITLE: Positive feedback in photocompensators

PERIODICAL: Izmeritel'naya tekhnika, no.2, 1963, 35-38

TEXT: The article constitutes a review of the theory of photoelectric compensators incorporating positive feedback. No discussion is given of time constant or of stability, the sole interest being the theoretical error and input impedance. There are 2 figures.

Card 1/1

KULIKOVSKIY, Longin Frantsevich; MELIK-SHAKHNAZAROV, Aleksandr
Mikhaylovich; RABINOVICH, Semen Girshevich; SELIBER,
Boris Abolevich; MAMIKONOV, A.G., red.; BORUNOV, N.I.,
tekh. red.

[Galvanometric compensators] Gal'vanometricheskie kom-
pensatory. Moskva, Izd-vo "Energia," 1964. 279 p.
(MIRA 17:3)

VOLKOV, Yu.P.; RABINOVICH, S.G.

Automatic high-sensitivity potentiometer with a high input
impedance. Izv. tekhn. no.1:35-38 Ja '64.

(MIRA 17:11)

PIVOVAROV, N.V.; RABINOVICH, S.G.; TAKCHENKO, A.N.; USMANOV, V.B.;
YATMANOV, B.A.

Photocompensating stabilizers. Izv. tekhn. no.3:44-46 Mr '65.
(MIRA 18:5)

L 36657-65 EWT(d)/EEC(k)-2/EEC-4 Po-4/Pq-4/Pg-4/Pk-4/Pl-4

ACCESSION NR: AP5007397

S/0286/65/000/004/0049/0050

AUTHOR: Mints, M. B.; Rabinovich, S. G.; Usmanov, V. B.

35
B

TITLE: Method of determining the time constant of photosensitive cells. Class 21, No. 168382

29

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 4, 1965, 49-50

TOPIC TAGS: photosensitive cell, time constant measurement *am*

ABSTRACT: A method of determining the time constant of photosensitive cells by varying their illuminance is proposed. To approximate operating conditions, the cell is inserted in the circuit of a photoelectric compensator operating under self-oscillation conditions. The time constant is either calculated on the basis of the critical conditions of dynamic stability or read from a previously calibrated balancing resistor in the feedback circuit of the compensator. Orig. art. has: 1 figure. [DW]

ASSOCIATION: none

SUBMITTED: 26Nov62

ENCL: 00

SUB CODE: EC

NO REF SOV: 000

OTHER: 000

ATD PRESS: 3221

Card 1/1

VOLKOV, Yu.P.; RABINOVICH, S.G.; TSVETKOV, P.I.

The F118 photogalvanometric nanovoltmeter. *Biul. tekhn.-ekon. inform. Gos. nauch.-issl. inst. nauch. i tekhn. inform.* 18 no.10: 32-33 0 '65. (MIRA 18:12)

L 29969-66 EWT(1)
ACC NR:AP6002832

SOURCE CODE: UR/0286/65/000/024/0041/0041

57
B

INVENTOR: Rabinovich, S. G.

ORG: none

TITLE: Photoelectric amplifier with an electric corrector. Class 21, No. 176975 [announced by "Vibrator" Plant (Zavod "Vibrator")]

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 41

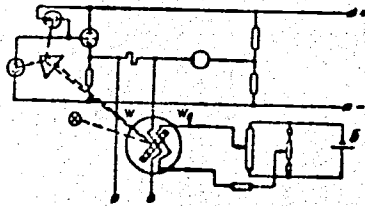
TOPIC TAGS: photoelectric ^{cell} ~~cell~~, galvanometer, thermoelectromotive force, amplifier design, remote control, ~~remote control~~, ~~direct current~~, ~~sensitivity increase~~ *electronic circuit*

ABSTRACT: 1. The photoelectric amplifier with the electric corrector, consisting of a galvanometer and a photoelectric measuring circuit, is characterized by the fact that the measuring coil of the galvanometer is equipped with additional winding, insulated from the measuring coil and connected to a variable voltage source. The above design is intended for remote correction of the zero and for its even and accurate control. 2. The amplifier, described in section 1, is characterized by the fact that the measuring coil of the galvanometer is equipped with separate current feeders made from material with a low thermoelectromotive force in order to increase the sensitivity of the apparatus.

Card 1/2

L 29969-66

ACC NR: AP6002882



W. measuring coil of the galvanometer, W_q . additional winding, B.
additional source of direct current

3. The amplifier, described in sections 1 and 2, is characterized by the fact that the current feeders of the measuring coil are separated from the reflection mirror by a metallic heat balancing screen, the function of which can be assumed, for example, by the magnetic system of the galvanometer.

SUB CODE: 09,20/ SUBM DATE: 11Sep64

Card 2/2 CC

L. 00007-67 EWT(d)/EWP(c)/EWP(v)/EWP(k)/EWP(l) IJP(c)

ACC NR: APGOL2120

SOURCE CODE: UR/0,13/66/000/007/0033/0034

AUTHOR: Rabinovich, S. G. 2/

ORG: none

TITLE: Potentiometer device for checking electrical measuring apparatus with automatic recording of corrections. Class 21, No. 180259

SOURCE: Izobrotoniya, promyshlennyye obraztzy, tovarnyye znaki, no. 7, 1966, 33-34

TOPIC TAGS: potentiometer, automatic ^{control} ~~central~~ equipment

ABSTRACT: This Author Certificate presents a potentiometer device for checking electrical measuring apparatus with automatic recording of corrections. It contains both a potentiometer and a recording device. To increase the checking rate, electro-mechanical control of the printing device is accomplished with a decade potentiometer. The most significant decade of the potentiometer, also serving as the line device, is connected by means of a slave system to the drive roller of the printing device (see Fig. 1). The least significant decade is mechanically coupled with additional contacts engaging the electromagnetic symbol pushrods of the printing device.

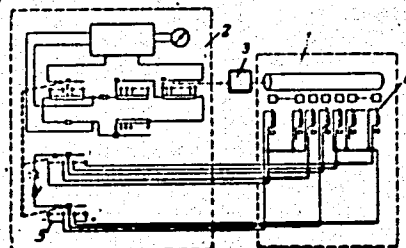
Card 1/2

UDC: 621.3.089.6.002.56

L 08997-67

ACC NR: AP6012120

Fig. 1. 1 - printing device; 2 - potentiometer device; 3 - slave system; 4 - electromagnetic pushrods; 5 - additional contacts



Orig. art. has: 1 diagram.

SUB CODE: 09/ SUBM DATE: 24 Feb 64

BESSER, Ya.R., kandidat tekhnicheskikh nauk; RABINOVICH, S.G., inzhener.

Complete mechanisation of reinforced concrete work in industrial
construction. Mekh. stroi. 11 no.1:7-13 Ja '54. (MIRA 6:12)
(Reinforced concrete construction)

SOVALOV, I.G., laureat Stalinskoy premii, kandidat tekhnicheskikh nauk;
RABINOVICH, S.G., inzhener.

New specifications for plain and reinforced concrete production
and concrete work. Bet.i shel.-bet.no.7:229-233 0 '55.
(Concrete) (MLRA 9:1)

SOFINSKIY, I.D.; BLOKHIN, P.N.; GEL'BERG, L.A.; ZHDANOV, P.M.; IVASHCHENKO, I.P.; LEVINA, G.P.; NAUMOVA, N.A.; SMIRNOV, N.S.; ARONOVA, R.I.; NIKOLAYEV, N.A.; SHERENTSIS, A.A.; KOVALEVSKIY, I.I.; LOBACHEV, P.V.; SLADKOV, S.P.; DZIGAN, A.V.; FORAPONOV, N.K. Primarni uchastiye: ARGANSKIY, A.S.; ASMUS, Ye.N.; BVZHALOVA, Ye.M.; BOGATYKH, Ya.D.; BURENIN, V.A.; GOL'DING, N.P.; DOMSHLAK, I.P.; MOSKALEV, S.A.; RABINOVICH, S.G.; ROGOVSKIY, L.V.; KHOKHLOVA, L.P.; SHESTOPAL, N.M.; RUBANENKO, B.R., glavnyy red.; GALKIN, Ya.G., zamest.glavnogo red.; SAPRYKIN, V.A., red.; SHCHEPETOV, V.M., red.; NOVITCHENKO, K.M., nauchnyy red.; VILKOV, G.N., inzh., red.izd-va; TYAPKIN, B.G., red. izd-va; EL'KINA, E.M., tekhn.red.

[Building your own home] Spravochnik individual'nogo zastroishchika. Moskva, Gos.izd-vo lit-ry po stroit.materialam, 1958. 442 p. (MIRA 12:2)

1. Akademiya stroitel'stva i arkhitektury SSSR. (Building)

RABINOVICH, S.G., inzh.; SKVORTSOV, A.P., inzh.; SOVALOV, I.G., kand.
tekhn.nauk, red.; GORDEYEV, P.A., red.izd-va; GILENSEN, P.G.,
tekhn.red.; GOL'BERG, T.M., tekhn.red.

[Album of drawings of molds and forms for monolithic and precast
reinforced-concrete construction elements] Al'bum chertezhei
opelubki i form dlia monolitnykh i sbornykh zhelezobetonnykh
konstruktsii. Izd.2., dop. i perer. Moskva, Gos.izd-vo lit-ry
po stroit., arkhitekt. i stroit.materialam, 1960. 107 p.

(MIRA 13:12)

(Precast concrete)

LEVI, S.S., kand.tekhn.nauk; RABINOVICH, S.G., inzh.; SOVALOV, I.G.,
kand.tekhn.nauk; TYULENEVA, L.M., red.izd-va; OSENKO, L.M.,
tekhn.red.

[Concrete and reinforced-concrete work in building monolithic structures] Betonnye i zhelezobetonnye raboty pri vozvedenii monolitnykh sooruzhenii. Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam, 1961. 362 p.

(MIRA 14:6)

1. Akademiya stroitel'stva i arkhitektury SSSR. Institut organizatsii, mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.
(Concrete construction) (Reinforced concrete construction)

RABINOVICH, S.G., inzh.; SKVORTSOV, A.P., inzh.; YAKOBSON, Ya.M.,
nauchn. red.; ZVORYKINA, L.N., red.; BOROVNEV, N.K.,
tekhn. red.

[Preparation of formwork in industrial construction] Opa-
lubochnye raboty v promyshlennom stroitel'stve. Moskva,
Gosstroizdat, 1963. 311 p. (MIRA 16:11)
(Concrete construction--Formwork)

RABINOVICH, S.G., inzh.; TOPCHIY, V.D., inzh.; SOVALOV, I.G.,
kand. tekhn. nauk, red.

[Album of drawings of molds and forms for monolithic and
precast concrete structures] Al'bom chertezhei opalubki i
form dlia monolitnykh i sbornykh zhelezobetonnykh kon-
struktsii. [By] S.G.Rabinovich i V.D.Topchii. Izd.3.,
dop. i perer. Moskva, Stroiizdat, 1964. 125 p.
(MIRA 17:11)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii,
mekhanizatsii i tekhnicheskoy pomoshchi stroitel'stvu.

Rabinovich, S. L.

5322. HIGH-VOLTAGE AUTO-TRANSFORMERS FOR POWER
SYSTEMS S. I. Rabinovich.
Elektrichestvo, 1967, No. 5, 6-12. In Russian.
The interconnection of high-voltage systems of different volt-
ages by means of auto-transformers instead

3

RABINOVICH, S.I., Cand Phys Math Sci — (diss) "On certain
extremal problems for linear processes ^{of} ~~for~~ approximating
functions with polynomials." Dnepropetrovsk, 1958, 9 pp
(Min of Higher Education UkSSR. Dnepropetrovsk State Univ
in 300th Anniversary of the ^{Reunited} ~~Reuniting~~ of the Ukraine with
Russia) 150 copies. Bibliography at end of text (21 titles)
(KL, 33-59, 116)

16(1)

AUTHOR: Rabinovich, S.I.

SOV/155-58-3-20/37

TITLE: On Some Estimations Combined With the Linear Methods for the Approximation of Functions by Algebraic Polynomials (O nekotorykh otsenkakh, svyazannykh s lineynymi metodami priblizheniya funktsiy algebraicheskimi mnogochlenami)

PERIODICAL: Nauchnyye doklady vysshey shkoly. Fiziko-matematicheskiye nauki, 1958, Nr 3, pp 104-106 (USSR)

ABSTRACT: Let $f(x) \in KW^{(r)}_H^{(\alpha)}[-1, 1]$ mean that $f(x)$ is defined on $[-1, 1]$, that it has the r -th derivative and that $f^{(r)}(x)$ on $[-1, 1]$ satisfies the Lipschitz condition (α, K) . Let $\lambda_k^{(n)}$ be a triangular

matrix, where $\mu_k^{(n)} \leq \mu_{k+1}^{(n)}$; $\Delta^2 \mu_k^{(n)} \geq 0$, where $\mu_k^{(n)} = \frac{1 - \lambda_k^{(n)}}{k^r}$,

$0 < k \leq n$; $r \geq 0$. Let further $U_n(f; x; \lambda) = \frac{c_0}{2} + \sum_{k=1}^{n+1} \lambda_k^{(n)} c_k T_k(x)$, where

$\frac{c_0}{2} + \sum_{k=1}^{\infty} c_k T_k(x)$ is the Fourier-Chebyshev series of $f(x)$.

Card 1/2

On Some Estimations Combined With the Linear Methods SOV/155-58-3-20/37
 for the Approximation of Functions by Algebraic Polynomials

Theorem: For every α , $0 \leq \alpha < 1$ and every integral $r \geq 0$ for $n \rightarrow \infty$ it holds:

$$E_n = \sup_{f(x) \in KW^{(r)} H(\alpha) [-1, 1]} |f(x) - U_n(f; x, \lambda)| =$$

$$= K \frac{2^{\alpha+1}}{2 n^\alpha} (\sqrt{1-x^2})^{r+\alpha} \int_0^{\frac{\pi}{2}} t^\alpha \sin t \, dt \left| \sum_{k=1}^n \frac{1 - \lambda_k^{(n)}}{k^{r(n-k+1)}} - \frac{\ln n}{n^r} + O\left(\frac{1}{n^{r+\alpha}}\right) \right|$$

For $r=0$ there follows a result of I.M.Ganzburg and A.F.Timan. The author mentions S.M.Nikol'skiy, L.I.Tuchinskiy, and S.G.Selivanova. The author thanks A.F.Timan for giving the problem and aid.

There are 6 Soviet references.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgical Institute)

SUBMITTED: January 25, 1958

Card 2/2

AUTHOR: Rabinovich, S.I. SOV/20-121-6-6/45
 TITLE: On the Question of Extremal Functions of Some Problems of the
 Theory of Approximation (K voprosu ob ekstremal'nykh funktsiyakh
 v nekotorykh zadachakh teorii priblizheniya)
 PERIODICAL: Doklady Akademii nauk SSSR, 1958, Vol 121, Nr 6, pp 977-979 (USSR)

ABSTRACT: Let $W^{(r)}_H(\alpha)$ be the class of 2π -periodic functions, the r -th derivative of which satisfies the Lipschitz condition with the power α and the constant 1. Let $\lambda_k^{(n)}$ ($k=0,1,\dots,n+1$; $\lambda_0^{(n)} = 1$, $\lambda_{n+1}^{(n)} = 0$) be a triangular matrix^{of} numbers and let $\mu_k^{(n)} \leq \mu_{k+1}^{(n)}$, $\Delta^2 \mu_k^{(n)} \geq 0$, $\mu_k^{(n)} = \frac{1 - \lambda_k^{(n)}}{k^2}$. To every $f(x) \in W^{(r)}_H(\alpha)$ there corresponds a sequence of trigonometric polynomials.

$$U_n(f; x; \lambda) = \frac{a_0}{2} + \sum_{k=1}^n \lambda_k^{(n)} (a_k \cos kx + b_k \sin kx),$$

where a_k, b_k are the Fourier coefficients of $f(x)$.

Theorem: For every value $x_0 \in [-\pi, \pi]$ there exists an $f_0(x) \in W^{(r)}_H(\alpha)$ ($0 \leq \alpha < 1$, $r \geq 0$ integral), for which

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On the Question of Extremal Functions of Some Problems of the Theory of Approximation SOV/20-121-6-6/45

$$|f_0(x_0) - U_{n_1}(f_0; x_0; \lambda)| > \frac{2^{\alpha+1}}{\pi^2 n_1^\alpha} \int_0^{\pi/2} t^\alpha \sin t \, dt \cdot \left| \sum_{k=1}^{n_1} \frac{M_k^{(n_1)}}{n_1 - k + 1} - \frac{\ln n_1}{n_1^r} \right| \epsilon_{n_1}$$

Here n_i ($i=1, 2, \dots$) is a certain increasing sequence of natural numbers and $\epsilon_{n_i} \rightarrow 0$ for $i \rightarrow \infty$.

Theorem: In order that the linear method of approximation $U_n(f; x; \lambda)$ for $n \rightarrow \infty$ yields an approximation for every $f(x) \in W^{(r)}_H^{(\alpha)}$ having the same order as the best approximation it is necessary that

$$\sum_{k=1}^n \frac{M_k^{(n)}}{n-k+1} = \frac{\ln n}{n^r} + o\left(\frac{1}{n^r}\right).$$

There are 3 Soviet references.

ASSOCIATION: Dnepropetrovskiy metallurgicheskiy institut (Dnepropetrovsk Metallurgic Institute)

PRESENTED: April 25, 1958, by S.L. Sobolev, Academician

SUBMITTED: January 15, 1958

Card 2/2

SOURCE CODE: UR/0109/05/00/011/002/007

ACC NR: A76013613

AUTHOR: Biryukov, V. G.; Britchuk, V. V.; Kozhukhov, V. K.; Krayz, A. G.; Mayashkov, I. S.; Nazarevskiy, N. I.; Panov, A. V.; Petrov, G. N.; Rabinovich, S. I.; Sapozhnikov, A. V.

ORG: none

TITLE: E. A. Man'kin, on his 60th birthday

SOURCE: Elektrichestvo, no. 11, 1965, 86-87

TOPIC TAGS: electric engineering personnel, synchrotron

ABSTRACT: Emmanuil Abramovich MAN'KIN, who after 35 years of scientific-engineering work ranks as one of the senior workers in the transformer-building field, was 60 years old on 28 May 1965. After graduating in 1927 from the electrical machine building institute in Moscow he became an engineer of the Moscow transformer factory (presently Moskovskiy elektrozavod; Moscow Electric Factory). He constructed and headed until 1934 the transformer testing station. During the 1935-1942 period he was head of the bureau for the design of special transformers, and during these years carried out numerous theoretical investigations concerning electromagnetic transformer calculations. His methods for the calculation of transformer leakage earned

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35
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Card 1/2

UDC: 621.314.21

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ACC NR: AF6013618

with the degree of candidate of engineering sciences. Between 1942 and 1947 he was deputy head of the engineering department of the factory, and since 1947, while heading the Bureau of Electromagnetic Design of the Spetsial'nyy konstruktorskiy byuro (Special Construction Bureau) he has been one of the main designers of the world's first 280 MeV synchrotron. From 1955 to 1958 E. A. MAN'KIN headed the group of designers working on the 400 kV transformer equipment of the Volgograd-Donbass power line. Since 1960 he has been head of the transformer laboratory of the Vsesoyuznyy elektrotekhnicheskii institut (All-Union Electrotechnical Institute) in Lenin. In the same year he obtained the degree of Doctor of Engineering Sciences for his works "Electromagnetic design of transformers, reactors, and charged particle accelerators." In the course of his engineering and research activity he published more than 30 papers. Orig. art. has: 1 figure. [JPRS]

SUB CODE: 09, 20 / SUBM DATE: none

Card 2/2 B.G

ABSTRACT, ...

Some remarks concerning a theorem proposed by Wiener. Uch.
Mag. Fiz. un. 124 no.6:271-277 '64. (MIRA 18:9)

SOLOV'YEVA, T.G.; RABINOVICH, S.I.

Acute posttransfusional reactions due to Rh incompatible blood treated by transfusion of Rh negative blood. Klin. med., Moskva 30 no.8:86-87 Aug 1952. (CIML 23:2)

1. Of the Therapeutic Clinic (Head -- Prof. S. I. Sherman) and of the Serological Laboratory (Head -- T. G. Solov'yev), Leningrad Order of the Red Banner of Labor Scientific-Research Institute of Blood Transfusion (Director -- Docent A. Ye. Kiselev; Scientific Supervisor -- Prof. A. N. Filatov).

LAZAROVICH, S. I.

LAZAROVICH, S. I. - "Immediate and Delayed Results of Splenectomy in Berkhoff Disease."
Min of Public Health USSR, Leningrad Sanitary-Hygiene Med Inst, Leningrad, 1955
(Dissertations for Degree of Candidate of Medical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

RAFAL'SON, D.I., kand.med.nauk; RABINOVICH, S.I., nauchnyy sotrudnik

Influence of the new preparation Hemoglobin 4 on hemopoiesis in donors. Akt.vop.persl.krovi no.4:11-14 '55. (MIRA 13:1)

1. Donorskiy otdel i laboratoriya sukhikh preparatov krovi (sav. - doktor med.nauk L.G. Bogomolova) Leningradskogo instituta perelivaniya krovi.

(BLOOD--ANALYSIS AND CHEMISTRY) (HEMOPOIETIC SYSTEM)

RAFAL'SON, D.I., kand.med.nauk; RABINOVICH, S.I., nauchnyy sotrudnik (Leningrad); Logvinova, O.K. (Irkutsk); Okorokov, N.I.; VIRIN, I.Ya. (Smolensk); GELHMAN, S.I., kand.med.nauk (Kiyev).

Acceleration of the regeneration of blood in donors in various cities of the Soviet Union following use of the preparation Hemoglobin 4. ^{akt.}
vop.perel.krovi no.4:15-18 '55. (MIRA 13:1)

1. Donorskiy otdel i laboratoriya sukhikh preparatov krovi (sav. laboratoriyey - doktor med.nauk L.G. Bogomolova) Leningradskogo instituta perelivaniya krovi.

(HEMOPOIETIC SYSTEM)

BEYER, V.A.; KLIMOVA, K.N.; KRUTOVERTSEV, A.I.; RABINOVICH, S.I.; ROZANOVA, L.M.

Influence of antipertussoid and antistreptococcal immunization on the
body of donors. Akt.vop.perel.krovi no.4:34-36 '55. (MIRA 13:1)
(WHOOPING COUGH--PREVENTIVE INOCULATION)
(STREPTOCOCCAL INFECTIONS--PREVENTIVE INOCULATION)
(BLOOD DONORS)

BLINOVA, A.I., starshiy nauchnyy sotrudnik; RABINOVICH, S.I., nauchnyy
sotrudnik

Myeloid hemopoiesis in cancer of the digestive tract. Akt.vop.perel.
krovi no.4:203-205 '55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (zav. klinikoy - prof. S.I. Sherman).
(DIGESTIVE ORGANS--CANCER) (HEMOPOIETIC SYSTEM)

BLINOVA, A.I., starshiy nauchnyy sotrudnik; BABINOVICH, S.I., nauchnyy sotrudnik

Thrombopofesis in stomach cancer. Akt.vop.perel.krovi no.4:205-207
'55. (MIRA 13:1)

1. Gematologicheskaya klinika Leningradskogo instituta perelivaniya
krovi (zav. klinikoy - prof. S.I. Sherman).
(BLOOD PLATELETS) (STOMACH--CANCER)

SHERMAN, S.I., prof.; RABINOVICH, S.I.

The classification of Werlhof's disease. Probl. gemat. i perel. krovi
3 no.5:17-20 S-O '58. (MIRA 11:11)

1. Iz gematologicheskoy kliniki (zav. - prof. S.I. Sherman) Leningradskogo ordena Trudovogo Krasnogo Znameni nauchno-issledovatel'skogo instituta perelivaniya krovi (dir. - dots. A.D. Belyakov, nauchnyy rukovoditel' - chlen-korrespondent **AMN SSSR** prof. A.M. Filatov).

(**PURPURA, THROMBOPENIC,**

classif. on basis of funct. state of megakaryocytes &
on clin. course (Rus))

(**BONE MARROW, physiology**

megakaryocyte funct. state, evaluation in classif. of
thrombopenic purpuras (Rus))

RABINOVICH, S. I., BORODULIN, Yu. B., PETROV, G. H.

"High Voltage Auto-Transformers of Big Capacity."

report to be submitted for Intl. Conference on Large Electric Systems (CIGRE),
18th Biennial Session, Paris, France, 15-25 Jun 60.

PETROV, G.N., doktor tekhn.nauk; BORODULIN, Yu.B., inzh.; RABINOVICH, S.I.,

Autotransformer for high-voltage electric networks. **Elek.sta. 31**
no.7:47-53 J1 '60. **(MIRA 13:8)**
(Electric transformers)

AKOPYAN, A.A.; BIRYUKOV, V.G.; BUTKEVICH, G.V.; KOZHUKHOV, V.K.;
KRAYZ, A.G.; NAYASHKOV, I.S.; SIROTINSKIY, L.I.; SAPOZHNIKOV, A.V.;
SYROMYATNIKOV, I.A.; RABINOVICH, S.I.

A.V. Panov; on his 60th birthday. Elektrichestvo no.5:92
My '63. (MIRA 16:7)

(Panov, Aleksei Vasil'evich, 1903-)

ALEKSENKO, G.V.; SYROMYATNIKOV, I.A.; NEKRASOV, A.M.; KRIKUNCHIK, A.B.;
RABINOVICH, S.I.; CHUSOV, P.P.; CHERTIN, A.M.; BULGAKOV, N.I.;
BRITCHUK, V.V.; MAN'KIN, E.A.; PANOV, A.V.; SAPOZHNIKOV, A.V.;
SAGALOV, M.I.; VOYEVOODIN, I.D.; ANTONOV, I.A.;
KALINICHENKO, I.S.; KRAYZ, A.G.

L.M. Shnitser; on his 75th birthday. Elektrichestvo no.11:87-
88 N '63. (MIRA 16:11)

BORISENKO, N.I.; BUTKEVICH, G.V.; VORONETSKIY, B.B.; VASIL'YEV, D.V.;
DROZDOV, H.G.; DUBINSKIY, L.A.; ZALESSKIY, A.M.; KASATKIN, A.S.;
KOSTENKO, M.P.; KUZNETSOV, P.I.; KULEBAKIN, V.S.; MAMIKONYANTS,
L.G.; MEL'NIKOV, N.A.; NRYMAN, L.P.; PETROV, I.I.; RABINOVICH, S.I.;
SAMOKHVALOV, V.A.; SOLODOVNIKOV, V.V.; STEKLOV, V.Yu.; SYROMYATNIKOV,
I.A.; FEDOSEYEV, A.M.; CHILIKIN, M.G.; SHATALOV, A.S.; ZHEKULIN, L.A.

Petr Ivanovich Voevodin, 1884- ; on his 80th birthday. Elektrichestvo
no.9:92 S '64. (MIRA 17:10)

BIRYUKOV, V.G.; BRITCHUK, V.V.; KOZHUKHOV, V.K.; KRAYZ, A.G.;
NAYASHKOV, I.S.; NAZAREVSKIY, N.I.; PANOV, A.V.; PETROV, G.N.;
RABINOVICH, S.I.; SAPOZHNIKOV, A.V.

Emmanuil Abramovich Man'kin, 1905- ; on his 60th birthday.
Elektrichestvo no.11:86-87 N '65. (MIRA 18:11)

L 40064-66 EWT:j) IJP(c)

ACC NR: AP601727C

SOURCE CODE: UR/0140/66/000/001/0115/0123

25
2A
B

AUTHOR: Rabinovich, S. I. (Dnepropetrovsk)

ORG: none

TITLE: Approximation of functions given on a finite segment or on a system of segments by trigonometric polynomials

SOURCE: IVUZ. Matematika, no. 1, 1966, 115-123

TOPIC TAGS: approximation, approximation method, difference equation, difference method, trigonometric approximation

ABSTRACT: It is shown that, in the case of approximating a function given on a finite segment or on a system of nonintersecting segments, theorems analogous to those occurring in the case of approximation by algebraic polynomials also hold true for approximation by trigonometric polynomials. Four theorems and 5 lemmas are stated and demonstrated in proof of this assertion. Fundamental to the statement of the analog problem for the approximation by trigonometric polynomials is the concept of the modulus of smoothness, defined as follows. Let $f(x)$ be a function bounded on the set $K = \bigcup_{j=1}^n [a_j, b_j]$, and the segment $I \subset K$. The r^{th} local modulus of smoothness of $f(x)$ is denoted by $\omega_r(f; I)$, that is $\omega_r(f; I) = \sup_{\substack{x \in I \\ x+h \in I}} |\Delta_h^r f(x)|$, where $\Delta_h^r f(x)$ is the r^{th}

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UDC: 517.512

L 40064-66

ACC NR: AP6017270

difference of the function $f(x)$ with step h . Then the r^{th} modulus of smoothness is equal to $\omega_r(f; t) = \sup \{ \omega_r(f; I) \}$, where the upper plane is taken along the entire segment $I \subset K$, the length of which does not exceed rt . The author thanks Yu. A. Brudnyy for his advice and assistance in the drafting of the article. Orig. art. has: 14 equations.

SUB CODE: 12/ SUBM DATE: 22Jun64/ ORIG REF: 006/ OTH REF: 001

Card 2/2 11b

BRISHCHENKO, V.Ye.; IVANOVA, L.V.; RABINOVICH, S.I.

Chromatographic analysis of the fraction C_1-C_4 . Neftepar. i
neftekhim. no.1:37-38 '65. (MIRA 18:6)

1. Groznenskiy filial Vsesoyuznogo nauchno-issledovatel'skogo i
proyektiro-konstruktor'skogo instituta kompleksnoy avtomatizatsii
neftyanoy i gazovoy promyshlennosti.

S/194/61/000/012/011/097
D209/D303

AUTHOR: Rabinovich, S. M.

TITLE: Visual polarographs with an electronic ammeter

PERIODICAL: Referativnyy zhurnal, Avtomatika i radioelektronika,
no. 12, 1961, 31, abstract 12A231 (Tr. n-i. in-ta
mestn. i toplion. prom-sti, 1961, no. 15, 81-88)

TEXT: For polarographic measurements a special arrangement is proposed, for which two types of instruments : 1) using thermionic tubes, 2) using transistors (with a.c. mains supply for both versions), are developed and manufactured. Indicating instruments with a sensitivity of the order of tens and hundreds of microamps are used for measurements. Basic diagrams of the instruments of both versions are given. The strength of the current in the instruments is controlled by voltages of the order of 10^{-3} - 10^{-6} volts applied across the control electrodes. Technical characteristics of the instruments (dimensions, weight, etc.) are given. The instruments are designed for laboratory and industrial use. There are

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S/194/61/000/012/011/097
D209/D303

Visual polarographs with ...

3 figures. [~Abstractor's note: Complete translation .]



Card 2/2

SURMILO, G.V., prof.; RABINOVICH, S.M., kand.fiz.-matem.nauk

Linear programming and its use in the construction of mining enterprises. Shakht. stroi. 7 no.4:16-17 Ap '63. (MIRA 16:3)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

SURMILO, G.V., prof.; RABINOVICH, S.M., kand.-fiz.-matem. nauk

Possibilities of using the distribution method of linear programming for solving operations and economic problems in mine construction. Shakht. stroi. 7 no.12:10-14 D'63.

(MIRA 17:5)

1. Moskovskiy institut radioelektroniki i gornoy elektromekhaniki.

2c

L 36981-65 ENG(j)/ENP(e)/EMT(m)/EPF(c)/ENG(m)/EPR/ENP(t)/ENP(b) Pr-4/Ps-4
S/0192/65/006/001/0066/0069 JD/WH/WH
ACCESSION NR: AP5007756

AUTHOR: Flalkov, A.S.; Bayer, A.I.; Smirnov, B.N.; Chaykun, M.I.; Sidorov, N.M.;
Rabinovich, S.M.; Yurkovskiy, I.M.

TITLE: The structure of the various modification of pyrolytic carbon 27 33

SOURCE: Zhurnal strukturnoy khimii, v. 6, no. 1, 1965, 66-69 B

TOPIC TAGS: pyrolytic carbon structure, interboundary region, mosaic structure, carbon anisotropy, carbon azimuthal disorientation, natural graphite structure, hydrocarbon pyrolysis

ABSTRACT: The structure of pyrolytic carbon was studied by microstructural, electron-microscopic, X-ray and microdiffraction analysis to determine the conditions of structure formation, depending on the temperature, method of heating and atmosphere of the reaction space. Various hydrocarbons (propane, butane, etc.) were used as sources. The deposit was obtained by heating in a high-frequency induction furnace or by an exterior heat source to temperatures above 2000°C; other thermal treatment was carried out at above 3000°C. The presence of interboundary regions of a specific globular structure was

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ACCESSION NR: AP5007756

detected which determine the structural anisotropy of the pyrolytic carbon. In specimens obtained under nitrogen, the interboundary regions were parallel, occurring at regular intervals. Occasionally, boundary regions showed specific chain-like outgrowths. Thermal treatment of pyrolytic carbon at temperatures above 3000C caused block formations in the recrystallized pyrolytic carbon of a mosaic-like substructure and regions of shifting dislocation; recrystallization led to a considerable decrease in the azimuthal disorientation. The high anisotropy was also seen in the roentgenogram. The carbon obtained at a temperature above 2000C in a vacuum (electric heat source) corresponded to the structure of amorphized natural graphite with a high degree of preferred crystal orientation (anisotropic factor about 30); the carbon obtained by pyrolysis in the vacuum induction furnace was more ordered than that obtained in a vacuum resistance furnace. Orig. art. has: 6 figures.

ASSOCIATION: None

SUBMITTED: 16Jan64

NO REF SOV: 003

ENCL: 00

OTHER: 007

SUB CODE: OC

Card ^{mc} 2/2

L 26926-65
ACCESSION NR: AP5006976

8

Purely scientific interest in the study of PG is derived from its properties which depend only on changes in structure.

Soviet researchers contributed to the study of PG in the following fields:

1. Mechanism of the pyrolysis of hydrocarbons. P. A. Tesner and co-workers advanced the theory of direct high-temperature decomposition

Card 2/5

L: 26926-65
ACCESSION NR: AP5006976

is the most credible, but that the multiple dehydrogenation-condensation mechanism coupled with radical polymerization ought also to be considered.

studied by G. V. Benevolenskaya and V. F. Derisev.

2. Structure of PG. Recent contributions were made by A. S. Fialkov and co-workers on the x-ray study of the crystal structure, V. I. Kasatochkin and A. T. Kaverov on the determination of the degree of graphitization as a function of the $c/2$ spacing (between layers), and A. S. Fialkov and co-workers (Zh. strukt. khimii, v. 6, no. 1, 1965) on x-ray and electron-microscope study of the microstructure of PG.

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ACCESSION NR: AP5006976

3. Properties of PG. P. A. Tesner and I. M. Timofeyeva determined that the density and properties of deposits were independent of the nature of hydrocarbons and that the hardness of PG depends on temperature of formation and has a maximum in the 1000—1520C range. Other properties

constant — were described solely on the basis of western sources.

In conclusion, the use of PG as super-heat-resistant construction material, erosion-resistant coatings for rocket parts, moderator in nuclear fuel, and in high-temperature thermocouples and thermoelements is indicated. The only exclusively Soviet-originated application was given as a patent issued for PG-coated graphite tubes for use as highly efficient resistance heaters in electric furnaces.

Card 4/5

L 26926-65

ACCESSION NR: AP5006976

ASSOCIATION: none

SUBMITTED: 00

NO REF SOV: 027

ENCL: 00

OTHER: 093

SUB CODE: MT, GC

ATD PRESS: 3185-F

Card 5/5

RABINOVICH, S.M., dotsent; YASTREBINSKIY, M.A.

Averaging ores in the process of open-pit mining by the
method of linear programming. Nauch. trudy Mosk. inst.
radioelek. i gor. elektromekh. no. 49 pt. 2:210-213 ' 64
(MIRA 19:1)

FIALKOV, A.S.; BAVER, A.I.; SMIRNOV, B.N.; CHAYKUN, M.I.; SIDOROV, N.M.;
RABINOVICH, S.M.; YURKOVSKIY, I.M.

Structure of pyrolytic carbon of various modifications.
Zhur.strukt.khim. 6 no.1:66-69 Ja-F '65.

(MIRA 18:12)

1. Submitted January 16, 1964.

RABINOVICH, S.N.

10

PHASE I. BOOK EXPLOITATION SOV7611

Dnepropetrovsk. Metallurgicheskiy Institut

Otreshka metalloy dviemiyem (Metal Forming) Dnepriyev, Metallurg-
izdat. 1960. 326 P. (Series: Itsi Nauchnyye trudy, vyp. 39)
2,100 copies printed.

Ed.: A.P. Chemaev; Ed. of Publishing House: R.A. Smilina; Tech.
Ed.: S.P. Andreyev.

PURPOSE: This collection of articles is intended for technical
and scientific personnel in metallurgy and in mechanical engineer-
ing. It will also be of interest to designers of rolling equip-
ment.

COVERAGE: This collection of articles treats the theory of rolling.
It discusses such factors as the total and the unit pressures
of the work on rolls, moments of rolling, contact stresses,
etc. It also includes results obtained from investigation of
roll quality, rolling of cast irons, and other problems.
No personalities are mentioned. References follow each article.

Chemaev, A.P. [Academician of the USSR], I.Ye. Katsurov, and
P.L. Klimenko. Experimental Investigation of Distribu-
tion of Unit Pressures on a Contact Surface in Rolling in Plain
Rolls 5

The investigation was carried out to develop a reliable method
of measuring unit pressure on the contact surface, and to
obtain, by measurement, data on distribution of unit pressure
during rolling with various drafts of strips having various
initial thicknesses and widths.

Chemaev, A.P., and P.L. Klimenko. Experimental Investigation of
Distribution of Unit Pressures on the Contact Surface During
Rolling in Grooved Rolls 30

Chemaev, A.P., and Rudyi V.G. [Candidate of Technical Sciences,
Institute Cherny metallurgii, URSR and Vsesoyuznyy nauchno-
issledovatel'skiy tsentr Institut of the Ukrainian SSR, and the All-
Union Scientific Center Institute for Physical Rolling Sur-
face Pressure on Rolls in Pilger (Rockette) Rolling 53

The authors present new methods for measuring pressure on rolls
in a Pilger mill, for rolling pipes with 219, 273 and 225 mm
diameters, and for determining the instant area of contact.

Vatkin, Yarik. [Candidate of Technical Sciences]. Pressure on
Rolls in Rotary Rolling of Tubes on a Short Mandrel and Unit
Pressures with the Results Obtained through Using Formulas the
Author Derived. V.I. Melashko, M.M. Saf'yan,
Y.D. Chelobanov, and S.N. Rabinovich. [Engineer]. Pressure on
Rolls in Rotary Rolling of Tubes on a Short Mandrel 73

The author describes the methods, instruments, and results of
an investigation carried out at the 'Zaporozhstal' mill on
horizontal and vertical rolls at slab rolling.

Saf'yan, M.M. [Candidate of Technical Sciences]. Experimental In-
vestigation on the Lever-Arm of Moments in Groove Rolling.
The author describes investigation on the above subject, and
gives the total pressure on rolls of cold rolling of steel
sheets 1, 2, 3, and 4 mm thick various drafts.

Chemaev, A.P., and P.L. Klimenko. [Candidate of Technical Sciences].
Forward Slip in Shape Rolling of Designing Shaped Rolls in Re-
spect to Forward Slip; the method is based on experiments with
right-angled, square, rhombic, oval, and circular grooves.

Rabinovich, S.N. [Candidate of Technical Sciences]. Derivation of a
Formula for Spread of Rolling on Plain Rolls
The author presents a method of calculation of spread in the
It is based on theoretical determination of stresses in the
contact area in transverse and longitudinal directions.

3/137/E1/000/006/031/092
A006/A101

AUTHORS: Chekmarev, A.P., Klimenko, V.M., Meleshko, V.I., Saf'yan, M.M.,
Chekhranov, V.D., Rabinovich, S.N.

TITLE: Pressure on rolls in rolling on a slab mill

PERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 6, 1961, 3, abstract 6D13
("Nauchn. tr. Dnepropetr. metallurg. in-t", 1960, no. 39, 93 - 103)

TEXT: The authors describe methods and results of investigating the pressure of metal on horizontal and vertical rolls of a slab mill at the "Zaporozhstal" Plant. The investigation was carried out in 1954. The pressure on the rolls was measured with the aid of dynamometers. The results and data obtained from the rolling of soft-grade and stainless steel slabs show, that the magnitudes of full pressure on the horizontal rolls are relatively uniformly distributed over the passes. Maximum pressure when rolling stainless steel is 1,350 - 1,450 tons, and 900 - 1,400 tons when rolling soft steels. The distribution of pressure over the passes on vertical rolls without resetting them, is non-uniform; pressure is considerably higher in even passes than in odd ones. In rolling

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Pressure on rolls in rolling on a slab mill

S/137/61/000/006/031/092
A0C6/A101

with resetting of vertical rolls, the distribution of pressure over the passes is relatively uniform. Maximum pressure is 300 - 350 tons on soft steels and 700 - 750 tons on stainless steels.

T. Davydov

[Abstracter's note: Complete translation]

Card 2/2

CHEKMAREV, A. P., akademik; KAPUROV, L. Ye., inzh.; RABINOVICH,
S. N., inzh.

Metal pressure on rolls and cogging conditions on a three-
high sheet rolling mill in the Novo-Kramatorsk machinery plant.
Nauch. trudy DMI no.48:239-249 '62. (MIRA 15:10)

1. Akademiya nauk Ukrainskoy SSR (for Chekmarev).

(Kramatorsk—Machinery industry)
(Rolling(Metalwork))

CHEKMAREV, A. P., akademik; RABINOVICH, S. N., inzh.; KAPUROV,
L. Ye., inzh.

Investigating the grooving and the wear of rolls on a two-
high thin sheet rolling mill. Nauch. trudy DMI no.48:250-256
'62. (MIRA 15:10)

1. Akademiya nauk Ukrainskoy SSR (for Chekmarev).

(Rolls(Iron mills)) (Mechanical wear)

CHEKMAREV, A. P., akademik; KAPUROV, L. Ye., inzh.; RABINOVICH,
S. N., inzh.

Metal pressure on rolls and cogging conditions on a two-high
thin sheet rolling mill. Nauch. trudy DMI no.48:257-264 '62.
(MIRA 15:10)

1. Akademiya nauk Ukrainskoy SSR (for Chekmarev).

(Rolling(Metalwork))

CHEKMAREV, A. P., akademik; RABINOVICH, S. N., inzh.; KAPUROV,
L. Ye., inzh.; MASHKIN, L. F., inzh.

Automatic shape adjustment of sheet mill rolls by means of a
mechanical grinding device. Nauch. trudy DMI no. 48:265-274
'62. (MIRA 15:10)

(Rolls(Iron mills)) (Grinding and polishing)
(Electronic control)

CHEKMAREV, A.P.; RABINOVICH, S.N.; Primalni uchastiye: KUS'MIN, V.P.;
ZVONAREV, V.K.; DEMKO, V.M.

Investigating power conditions in the rolling of lightweight
shaped sections on a 550mm. medium section mill. Izv. vys. ucheb.
sav.; chern. met. 6 no.4:56-67 '63. (MIRA 16:4)

1. Dnepropetrovskiy metallurgicheskiy institut.
(Rolling mills)

CHEKMAREV, A.P., akademik; RABINOVICH, S.N.

Investigating the power conditions for rolling automobile sections. Met. i gornorud. prom. no.2:37-40 Mr-Ap '65.

(MIRA 18:5)

1. Akademiya nauk UkrSSR (for Chekmarev).

RABINOVICH, S.N.

Single half-period feeding system for electric filters for purifying
stack gases in rotary kilns.. TSement 26 no.2:20-21 Mr-Ap '60.

(MIRA 13:6)

(Filters and filtration) (Kilns, Rotary)

RABINOVICH, S.O.

Use of heat-resistant reinforced concrete. Ogneupory 25 no.5:
221 '60. (Refractory materials) (Reinforced concrete)
(MIRA 14:5)

RABINOVICH, S.O.

Heat-resistant brick with ribbed side surfaces. Ogneupory 25 no.11:
530 '60. (MIRA 13:12)
(Italy—Firebrick)

RABINOVICH, S.O., referent

Refractory products from pure oxides [from materials of the
firm "Morgan Crucible Co."]. Biul. TSIICHM no.2:61 '61.
(MIRA 14:9)

(Great Britain--Refractory materials)

RABINOVICH, S.O.

Performance of a heatproof concrete roof in a cementation furnace.
Ogneupory 26 no. 4:200 '61. (MIRA 14:5)
(Refractory concrete)

RABINOVICH, S. F.

42656. GLANTS, R. M. i RABINOVICH, S. F. Dinamicheskaya Protrombinnaya Proba Rak
Metod Otzenki Funktsii Pecheni. Vrachet. Delo, 1948, No 11, s. 985-90.

SC: Letopis' Zhurnal' Nykh Statey, Vol. 7, 1949

RABINOVICH, S. S.

GOLCVIN, P. K., St. Nauch. Sotrudnik i RABINOVICH, S. S., St. Nauch. Sotrudnik i ESTRIN, M. I., Inzhener.
Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skoho instituta stroitel'nogo i dorozhnogo mashinostroyeniya.

POLEVYIE ISPYTANIYA GREIDER-ELEVATORA D-192 S TSEL'YU OPREDELENIYA YEGO KONSTRUKTIVNYKH I EKSPLOATATSIONNYKH KACHESTV I PROIZVODSTVENNYKH POKAZATELEY.

page 144

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950,
Moscow, 1951

RABINOVICH, S. S.

KAZEMIROV, A. YE., Inzhener i GOLOVIN, P. M., St. Nauchn. Sotr. i RABINOVICH, S. S., Inzhener
Leningradskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta stroitel'nogo i dorozhnogo mashinostroyeniya

VYBOR RATSIGNAL'NOGO PROFILYA, KONSTRUKTSII KREPLENIYA I SOYEDINENIYA REL'S-FORM S IZGOTOVLENIYEM CPYTHYKH OBRAZTSOV I IKH ISPYTANIYEM

page 144

SO: Collection of Annotations of Scientific Research Work on Construction, completed in 1950. Moscow, 1951

RABINOVICH, S. S.

RABINOVICH, S. S.- "Investigation of Mechanical Continuous-action Hurling Machines with the Aim of Employing them in Earth Digging and Roadbuilding Machinery." Min of Higher Education USSR, Leningrad Order of Labor Red Banner Engineering-Construction Inst. Leningrad, 1955 (Dissertations For Degree of Candidate of Technical Sciences)

SO: Knizhnaya Letopis' No. 26, June 1955, Moscow

RABINOVICH, S.S.

ESTRIN, M.I., kandidat tekhnicheskikh nauk; RABINOVICH, S.S., inzhener.

Concrete pavers with sliding forms. Stroil. i dor. mashinostr. 2
no. 4:38-39 Ap '57. (MLRA 10:6)
(Pavements, Concrete) (Road machinery)

RAJNOVICH, S.S., inzh.

Using casting machines for conveying soil in earthmoving
machines cutting layers. Stroitel' mashinostr. 3 no.10:3-7
0 '58. (MIRA 11:11)

(Earthmoving machinery)

RABINOVICH, S.S., inzh.; RAZUMOVA, E.D., inzh.

Electrode holders for manual electric arc welding. Nov.tekh.mont.1
spets.rab.v stroi. 21 no.5:27-31 № 1'59. (MIRA 12:7)
(Electric welding--Equipment and supplies)

RABINOVICH, S.S., inzh.; EYDELAND, I.K., inzh.

Assembling an aluminum dome with a span of 61 m. Nov. tekhn. mont.
i spets. rab. v stroi. 21 no.8:25-29 Ag '59. (MIRA 12:10)

1.Orgstroy Ministerstva stroitel'stva RSFSR.
(Domes) (Aluminum, Structural)

RABINOVICH, S. S.

Cand Tech Sci - (diss) "Study of throwers [metateli] for transporting soil in layer-cutting dredging machines." Leningrad, 1961. 19 pp; (Ministry of Higher and Secondary Specialist Education RSFSR, Leningrad Order of Labor Red Banner Construction Engineering Inst); 200 copies; price not given; (KL, 6-61 sup, 224)

RABINOVICH, S.S., inzh.

Topical exhibit and conference on industrial methods in carrying
out pipe-laying operations. Mont. i spets. rab. v stroi. 23
no.10:6-11 0 '61. (MIRA 14:10)

1. Institut Orgstroy.
(Moscow--Exhibits) (Pipe--Congresses)

SARKISOV, G.B.; PESIN, L.M.; OSETSKIY, V.F.; RABINOVICH, S.S.,
nauchn. red.; SHABALIN, Yu.P., red.

[Mechanisms, devices and power tools for assembly work; a
handbook] Mekhanizmy, prisposobleniia i mekhanizirovannyi
instrument dlia montazhnykh rabot; sravochnoe posobie.
Moskve, Stroiizdat, 1965. 212 p. (MIRA 18:12)

RABINOVICH, S.S. (Moskva)

Disorder of the coronary circulation in nonpenetrating wounds
of the chest cavity. Klin.med. 40 no.10:130-133 0 '62.

(MIRA 15:12)

1. Iz terapevticheskogo otdeleniya gorodskoy bol'nitsy No.19
(glavnyy vrach A.V.Shel'pin).

(CHEST--WOUNDS AND INJURIES)

(CORONARY HEART DISEASE)

RABINOVICH, S.V., dotsent, kandidat tekhnicheskikh nauk.

On the limited gear ratio of single-step traction gears. Vest. elektroprom.
18 no. 4:10-14 '47. (MIRA 6:12)

1. Moskovskiy energeticheskiy institut im. V.M. Molotova.
(Gearing)

RARINOVICH, S. V.

Nomograficheskiy sposob rascheta neobkhodimogo pritupleniia zub'ev korrigirovannykh tsilindrisheskikh zubchatykh koles. (Vestn. Mash., 1948, no. 7, p. 5-11)

Includes bibliography.

Nomographic method of calculating the necessary teeth blunting of adjusted spur gears.

DIC: T14.V4

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

SOV/124-58-10-10828

Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 10, p 17 (USSR)

AUTHOR: Rabinovich, S. V.

TITLE: Gear-tooth Form Coefficient With Consideration of the Forces of Friction and the Variability of Stresses for Cylindrical Form-corrected Spur Transmissions (Koeffitsiyent formy zuba s uchetom sily treniya i peremennosti napryazheniy dlya tsilindricheskikh pryamozubykh korrigirovannykh peredach)

PERIODICAL: Tr. Mosk. energ. in-ta, 1955, Nr 17, pp 112-121

ABSTRACT: Formulas are derived and gear-tooth form-coefficient η calculating charts for form-corrected transmissions with consideration of the forces of friction for $z > 10$ are presented. The formulas were derived according to the well-known procedure of A. I. Petrusovich, but for the sake of simplification certain additional assumptions were introduced, as follows: 1) The influence of the parameters of the conjugated gear has little effect on the value of η and is not taken into consideration. This results in a discrepancy of less than 5% when the sum of the teeth $z_1 + z_2 = 50$ and less than 3% when $z_1 + z_2 = 100$. 2) For teeth working on both profiles the calculation is

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Gear-tooth Form Coefficient With Consideration (cont.)

carried out according to the symmetrical cycle of σ_{-1} in view of the comparatively insignificant stresses in the critical cross-section of the tooth which create a certain asymmetry in the cycle. 3) The critical cross section of the tooth coincides with the dedendum circle when the latter is larger than the base circle and coincides with the base circle in the opposite case; this holds sufficiently true for $z > 10$ for non-undercut teeth. In this way all the possible combinations for η are reduced to four cases, viz., for either the driver or the driven wheel and with teeth working either on one or on both flanks. It has been demonstrated that, everything else being equal, η of the driven wheel is smaller than that of the driver wheel by approximately 20% when working on one flank and by approximately 15% when working on both flanks. For working on one flank the value of η is smaller than for working on both flanks by about 6% in the case of a driver gear and by about 12% for a driven gear. All factors being considered, the safety margin of strength for a steel gear tooth working on both flanks drops 44 - 50% as compared to working on one flank; for cast iron it drops 31 - 35% under similar conditions.

V. N. Geminov

Card 2/2

RABINOVICH, V.M., kandidat sel'skokhozyaystvennykh nauk; RABINOVICH, S.V.

Tillering zone of head of perennial leguminous grasses, erroneously called the root neck. Agrobiologia no.5:125-133 S.O '56.
(MLRA 9:11)

1. Ukrainskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta kormov imeni V.R.Vil'yamsa, Poltava.
(Legumes) (Botany--Morphology)

RABINOVICH, S.V.

122-2-5/33

AUTHOR: Rabinovich, S.V., Candidate of Technical Sciences.

TITLE: A Combined Graphical and Analytical Method for the Design of Structures by the Limit Equilibrium Theory in Bending with Tension (Grafoanaliticheskiy sposob rascheta konstruktsiy po metodu predel'nogo ravnovesiya pri izgibe s rastyazheniyem)

PERIODICAL: Vestnik Mashinostroyeniya, 1958, No.2, pp. 19-22 (USSR)

ABSTRACT: In simultaneous tension and pure bending the limiting equilibrium, when all the fibres of a beam reach either the compressive or the tensile yield stress, is expressed by the Hirkmann formula (Eq.1). It is convenient to define two ratios, namely, that of the limit value of the tension force acting simultaneously with a bending moment to its limit value without the bending moment and the analagous ratio for the limit bending moment acting with or without the tension force. The relation between the two ratios can be computed from the geometry of the section. Solid rectangular and circular sections, thin- and thick-walled circular tubes and the 'I' section are treated. The above relation is shown graphically for each type of section (Fig.6). Eccentric tension modes are represented on this graph by straight lines through the origin. Examples Card1/2 illustrate the use of the graph to determine the limit bending

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A Combined Graphical and Analytical Method for the Design of
Structures by the Limit Equilibrium Theory in Bending with Tension

moment from the limit tension, the limit tension from the limit
bending moment and the limit tension for a given eccentricity.
There are 6 figures, 1 table and 5 Russian references.

AVAILABLE: Library of Congress

Card 2/2

RABINOVICH, S.V., dots., kand. tekhn. nauk

System of cutting gears for traction transmission of electric rolling stock. Vest. TSNII MPS [17] no.7:34-36 N '58.

(MIRA 11:12)

1. Moskovskiy energeticheskiy institut.
(Electric railroads--Rolling stock) (Gear cutting)