

LEVIN, L. V.		PROCESSES AND PROPERTIES INDEX	
CA		1	
An improved vessel for hydrogen electrode. L. M. Levin, Zashchita Lab. 11, 228-9(1948).--Construction details are described, with a cut. W. R. Hens			
ASB-11A METALLURGICAL LITERATURE CLASSIFICATION		G-RTT-AT-2-24794	
SCIENCE	ENGINEERING	COLLECTIONS	ISSUE NO.
1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12	1 2 3 4 5 6 7 8 9 10 11 12

LEVIN, L. Ye.

2

Some properties of the glass electrode. L. E. Levin (Sci. Research Inst. of Organic Intermediates and Dyes, Moscow). *J. Phys. Chem. (U.S.S.R.)* 21, 337-41 (1947) (in Russian).—The bulb of a freshly blown glass electrode is filled with a solid aerosol which sediments within some hrs. and forms complicated patterns (photographs given) on the inner surface of the bulb. This sediment presumably is sodium carbonate, the Na of which originates from the hot glass. The unequal loss of Na by the internal and the external surfaces of the bulb presumably is the reason for the asymmetry potential of glass electrodes. On prolonged keeping of the electrode in H₂O, the surface layers are dissolved, and the asymmetry potential is reduced.

J. J. Siskerman

ASS-6LA METALLURGICAL LITERATURE CLASSIFICATION

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	48	49	50	51	52	53	54	55	56	57	58	59	60	61	62	63	64	65	66	67	68	69	70	71	72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	95	96	97	98	99	100
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Levin, I. I.

T

Reaction of metallic sodium with sodium tungstates.
 I. Skvarenko and I. I. Levin. *Soviet State Obshchestv.*
 Khim., *Abstr. Russ. Chem. Soc.* 49-63(1953). At 900°
 Na reacts but little with Na₂WO₆; this may be due to the
 reversibility of the reaction or to the re-solution of the W in
 the Na₂O formed. When mixts. of Na with Na tungstates
 (the latter formed by heating Na₂WO₆ with different pro-
 portions of WO₃) were heated at 900°, the W yield was
 in the following order according to the proportion of WO₃:
 8Na₂O.12WO₃ > Na₂WO₆ > Na₂WO₄. It is concluded that
 the reactions are WO₃ + 6Na = 3Na₂O + W and 3Na₂O +
 3WO₃ = 3Na₂WO₄; thus 4WO₃ + 6Na = 2Na₂WO₄ + W,
 which is irreversible and should proceed to completion.
 A "critical" value for Na is calcd. as a function of WO₃ so
 that the yield of W can approach 100%. I. Bencowitz

MIT
 (1)

LEVIN, L. E.

The mechanism of reduction of acid tungstates by sodium and the formation of bronze. S. I. Shvachko and L. E. Levin. *Zhur. Obshchei Khim.* 23, 1008-74(1953).—Acid tungstates were reduced by metallic Na in an iron cylinder at 830-900°. In the first stage of reduction, WO_3 is formed. In the second stage, when the medium becomes basic from the presence of sufficient sodium the reaction $3WO_3 \rightleftharpoons 2WO_3 + W$ goes to the right; in a deficiency of sodium the reaction goes to the left and W bronze is formed. By gradual increases of quantities of Na all degrees of reduction down to the metal can be successively obtained. M. C.

Handwritten signature or initials, possibly "M. C.", written in dark ink.

LEVIN, L. Ye.

**Entropy and degree of irreversibility of processes. Zhur.fiz.khim.
29 no.7:1147-1151 J1 '55. (MLRA 9:3)
(Entropy) (Chemical reaction--Conditions and laws)**

Levin R.L.

Photocopy
USSR 107 730

L. B. Levin

3

[Handwritten signature]

SOV/100-58-3-6/8

AUTHOR: Levin, L.Ye. Engineer.

TITLE: Councils of the National Economy. (V sovnarkhozakh)

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1958, No.3, Pp 26-28(USSR)

ABSTRACT:

The increase in equipment of building and assembly organisations has been considerable in the last few years. The equipment is comprised of cranes BTK-5/8, scrapers MZ5-5M, cranes mounted on railways DZh-15, DEK-20, diesel electric cranes SKG-25, cranes mounted on pneumatic wheels K-102 and lorry-mounted cranes K-51. The total capacity of electrical machinery during the third quarter of 1957 increased to 5000 kwts. The increase in weight of precast reinforced concrete units up to 50 tons requires heavy cranes and there was a necessity for diesel powered scrapers MAZ-205 and YaAZ-210E. The mechanisation of excavating works in Voroshilovgrad reached 77%. In the case of Voroshilovgradpromzhilstroy and Liskhimpromstroy the mechanisation of excavating works reached 90% and 98% respectively. Considerable saving was made in the assembly time of cranes BKSM-5 and T-128. Il'ichevskiy maintenance workshops concentrate on track-mounted machines, compressors, pumps, diesel engines and other power-driven equipment; Kadiyevskiy and Bokovskiy maintenance workshops

Card 1/2

AUTHOR: Levin, L.Ye., Engineer. SOV/100-58-5-5/15.

TITLE: Mechanization of Building Operations in the Irkutsk Sovnar-khoz. (Mekhanizatsiya stroitel'stva v Irkutskom sovnarkhoze).

PERIODICAL: Mekhanizatsiya Stroitel'stva, 1958, Nr 5, Pp 16-18.

ABSTRACT: Changes caused by the mechanization of building operations and subsequent reorganization of the industry in the above region are described. According to the new reorganization four specialized machine groups were formed, i.e. excavating and road making, machines for vertical and other transport, machines providing power and the maintenance group. Specialization of maintenance is being planned and the Vostoktyazhstroy Maintenance Depot is being completed. The improvement in organization resulted in 1,000,000m³ of excavations being completed in nine months. The output of lorry-mounted cranes in 1956/7 increased by 30.8% and lorry-mounted scrapers by 11%. The Makar'yevskaya and Cherenkhovo Maintenance Depots for the transportation of long building units, constructed special trailers of 10-ton capacity. Due to this mechanization the Vostoktyazhstroy fulfilled its norms for crane output to the extent of 101%. The Trust Vostoktyazhstroy is engaged in con-

Card 1/2

Mechanization of Building Operations in the Irkutsk Sovnarkhoz SOV/100-58-3-5/15

creting during winter and is using electrical heating installation UPB6 and UPB-60. The mechanization of excavations in this organization reached 92% and the total mechanization 88%; in addition the mechanization of assembly of reinforced concrete constructions reached 97.4%. The mechanization of building finishing works reached the following levels: plastering 88.1%, painting 80.6%.

1. Construction--Equipment
2. Earth moving equipment--Applications
3. Road building equipment--Applications

Card 2/2

LEVIN, L.Ye., inzh.

Building mechanization in the Irkutsk Economic Council. Mekh.
stroil. 15 no.6:16-18 My '58. (MIRA 11:6)
(Irkutsk--Building machinery)

1. PLETNIKOV, N. A., LEVIN, L. Z.
2. U'S" (600)
4. Textile Finishing
7. Using "vinyplast" in textile finishing work. Tekst. Prom. 12, no. 12, 1952.

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

LEVIN, L.Z.

Some aspects of the present-day status of geography in Japan. Isv.
AN SSSR, Ser. geog. no. 6: 120-124 N-D '56. (MIRA 10:1)
(Japan--Geographical research)

KHAYASI, K. [Hayashi, K.]; ANDO, T., prof.; KIMURA, K.; ZLOMANOV, V.A.,
[translator]; ZORIN, A.Ye. [translator]; LEVIN, L.Z.
[translator]; PASHKOVSKIY, A.A. [translator]; SMIRNOV, P.I.,
red.; BUKOVSKAYA, N.A., tekhn. red.

[Ordnance rockets and Japan; military bases are a war threat]
Raketnoe oruzhie i Iaponia; voennye bazy - ugroza miru. Vstup.
stat'ia i komentarii B.G. Sapozhnikova. Moskva, Voen. izd-vo
M-va oborony SSSR, 1961. 246 p. Abridged translation from the Japanese.
(MIRA 15:2)

1. Tokiyskiy universitet (for Ando).
(Japan—Rockets (Ordnance))

USSR/Weeds and Weed Control

N

Abs Jour : Ref Zhur - Biol., No 10, 1958, No 44438

Author : Levin M.

Inst : -

Title : The Chemical Control of Agricultural Crop Weeds

Orig Pub : Sotsialistlik pollumajandus, 1957, No 5, 203-204 (Est.)

Abstract : No abstract

Card : 1/1

LEVIN, M.

Chemical weed control to be used extensively on flax fields. p.453

SOTSIALISTLIK PÖLLUMAJANDUS. Tallinn,,Estonia. Vol. 14, no. 10, May 1959

Monthly List of East European Accessions (EEAI), LC. Vol. 8, No. 9, September 1959
Uncl.

LEVIN, M.; VOYNICH, N.; BEN'YAMINOVICH, I.

New technique for manufacturing slabs of cellular concrete.
Na stroi. Ros. no.9:19-21 S '61. (MIRA 14:10)

1. Rukovoditel' laboratorii tekhnologii avtoklavnykh izdeliy Nauchno-issledovatel'skogo instituta po stroitel'stvu, Sverdlovsk (for Levin). 2. Glavnyy tekhnolog upravleniya stroitel'stva Sverdlovskogo sovmarkhoza (for Voynich). 3. Glavnyy inzh. tresta Tagilstroy (for Ben'yaminovich).
(Lightweight concrete)

16,6500

17011
S/044/62/000/003/064/092
0111/C444

AUTHOR:

Levin, M.

TITLE:

On a method for the calculation of double integrals

PERIODICAL:

Referativnyy zhurnal, Matematika, no. 3, 1962, 41,
abstract 3V210. ("Tartu Ülikooli toimetised", 1961, no.102,
338-341)

TEXT:

Considered is a function $F(x,y)$ integrable in the square
 $L = [-1 \leq x \leq 1, -1 \leq y \leq 1]$. For the approximative calculation of the
double integral of $F(x,y)$ one deduces the following formula:

$$\int_{-1}^1 \int_{-1}^1 F(x,y) dx dy = \left[\sum_{i=0}^m C_i^{(m)} F(t, y_i) \right] \times$$

$$\times \sum_{i=0}^n C_i^{(n)} \frac{F(x_i, y_i)}{F(t, y_i)}$$

where $(x_1, y_1) \in L$ ($i=0,1,\dots,n$); $x_k \neq x_j$ for $k \neq j$; t being a number
such that $f(t, y_1) \neq 0$ ($i = 0,1,\dots,n$); y'_j ($j=0,1,\dots,m$) being the knot

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S/044/62/000/003/064/092

C111/C444

On a method for the calculation ...

points in the interpolation of the function $F(t,y)$ by a polynomial;

$$C_j^{(n)} = \int_{-1}^1 \prod_{k=0}^{n-1} \frac{x-x_k}{x_j-x_k} dx; \quad C_j^{(m)} = \int_{-1}^1 \prod_{k=0}^{m-1} \frac{y-y_k}{y_j-y_k} dy;$$

$$\prod_{k=0}^{n-1} \frac{x-x_k}{x_j-x_k} = \frac{(x-x_0)(x-x_1)\dots(x-x_{j-1})(x-x_{j+1})\dots(x-x_n)}{(x_j-x_0)(x_j-x_1)\dots(x_j-x_{j-1})(x_j-x_{j+1})\dots(x_j-x_n)}$$

The case, where the integration domain is a unit circle with the centre at the origin, is reduced to the considered case by aid of a transformation of the variables

Card 2/3

ACCESSION NR: AR4031068

8/0044/64/000/002/B053/B053

SOURCE: Referativnyy zhurnal. Matematika, Abs. 2B148

AUTHOR: Levin, M.

TITLE: Certain formulas for an approximate calculation of double integrals

CITED SOURCE: Uch. zap. Tartusk. un-ta, vy*p. 129, 1962, 428-436

TOPIC TAGS: double integral approximate calculation, simple integral, differentiable function

TRANSLATION: The author gives some rules for an approximate calculation of a double integral in the square ($|x-a|, |y-b| \leq h$) by means of reducing it to a simple integral in the segment $[-h, h]$. The construction is based on the following two equalities, which hold for functions which are differentiable a sufficiently large number of times:

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ACCESSION NR: AR4031068

$$\int_{-A}^A \int_{-A}^A f(x, y) dx dy =$$

$$= |f(0, 0)|^{-1} \int_{-A}^A f(x, 0) dx \int_{-A}^A f(0, y) dy + O(A^2)$$

2) if $f(x, y)$ is even with respect to x and $w = h/\sqrt{3}$, then

$$\int_{-A}^A \int_{-A}^A f(x, y) dx dy =$$

$$= |f(w, 0)|^{-1} \int_{-A}^A f(x, 0) dx \int_{-A}^A f(w, y) dy + O(A^2)$$

Analogous equalities can be constructed for integrals in a rectangle and a circle.
V. Krylov

DATE ACQ: 19Mar64

SUB CODE: MM

ENCL: 00

Card 2/2

LEVIN, M.

Estimating the error of cubature formulas. Eesti tead akad
tekhn fuus 11 no.2:114-119 '62.

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

LEVIN, M.

Extremum problems related to a certain quadrature formula [with
summary in English]. Izv. AN Est. SSR, Ser. fiz.-mat. i tekhn.
nauk 12 no.1:44-56 '63. (MIRA 16:5)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

(Integral equations—Numerical solutions)
(Polynomials)

LEVIN, M.

Extremum problem for a certain class of functions. Izv. AN Est. SSR.
Ser. fiz.-mat. i tekhn. nauk 12 no.2:141-145 '63. (MIRA 16:10)

1. Academy of Sciences of the Estonian S.S.R., Institute of Cybernetics.

LEVIN, M.

Derivation of some of the best quadrature formulas. Izv. AN
Est. SSR. Ser. fiz.-mat. i tekhn. nauk 12 no.4:376-383 '63.
(MIRA 17:1)

1. Academy of Sciences of the Estonian S.S.R., Institute
of Cybernetics.

LEVIN, M., kand. fiz.-matem. nauk

Best quadrature formulas with fixed knots. Izv. AN Est.
SSR. Ser. fiz.-mat. i tekhn. nauk 13 no.2:110-114 '64.
(MIRA 17:9)

1. Academy of Sciences of the Estonian S.S.R., Institute of
Cybernetics.

LEVIN, M.

Remark on an interpolation formula. Izv. AN Est. SSR.
Ser.fiz.-mat. i tekhnauk 14 no.2:303-304 '65. (MIRA 19:1)

1. Institut kibernetiki AN Estonskoy SSR. Submitted
July 22, 1964.

APPROVED (JAF W) OK

ACCESSION NR: AP5003372

S/0250/64/008/012/0712/0775

AUTHOR: Levin, M. A.

14
5
B

TITLE: Representation of an anisotropic body in the form of a regular bar model

SOURCE: AN BSSR. Doklady, v. 8, no. 12, 1964, 772-775

TOPIC TAGS: anisotropic body, bar linkage, mechanical model, stress analysis

ABSTRACT: The author analyzes the analogy between the behavior of a regular 6-bar linkage and an anisotropic plate operating under stress. When the bars are straight, they coincide with the three joining edges of a cube of length l and with the diagonals of the three adjacent faces. Forces and moments are applied to the bar junctions. The transition from a discrete system to a continuous medium is effected by proportional decreasing of the dimensions of

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L 26316-65

ACCESSION NR: AP5003372

the element as the length of the edge approaches zero. Equations are derived for the stresses and strains in the individual bars. Certain symmetry properties are observed in the behavior of the bar system. It is shown also that since the bar system has 36 characteristics and the general anisotropy is characterized by 21 parameters, one isotropic body can be characterized by a large number of regular bar models with different angles at the joints. It is stated in the conclusion that the correspondence between an anisotropic body and a regular bar model can be used in the design of bar systems and vice versa. An example is presented. This report was presented by V. P. Svegrdenko. Orig. art. has: 2 figures, 15 formulas and 1 table.

ASSOCIATION: Belorusskiy politekhnicheskiy institut (Belorussian Polytechnic Institute)

SUBMITTED: 26Nov63

ENCL: 00

SUB CODE: ME

NR REF SOV: 004

OTHER: 001

Card

2/2

SMYSHLYAYEV, V.K. (Yoshkar-Ola); BAYTAL'SKIY, M.M. (Odessa); IVANOVA, Zh. (Vratsa, Bolgariya); USHAKOV, V.V. (Staryy Oskol); PRESMAN, A.A. (Sverdlovsk); LEVIN, M.N. (Tartu); BRIGADIN, I.Ya. (Moskva); LEVIN, M.I. (Tartu); KASHIN, B.I. (Kalininskaya obl.)

Problems for students. Mat. v shkole no.6:90-91 N-D '59 (MIRA 13:3)
(Mathematics--Problems, exercises, etc.)

USSR/Electricity - Literature

Apr 52

"Books on Electricity, Electrical Engineering, and Electric Power Engineering Published in 1951"

"Elektrichestvo" No 4, pp 95, 96

Lists includes some 62 books. Some titles are:

- "Receiving-Transmitting Radio Stations / Transceivers," by M. A. Levin and Ye. Dobrovolskiy,
- "The Quartz Crystal in Communications Engineering," by A. F. Plonskiy, and "The Stronger Automatic Telephone Exchange ATS-47," by Farfonovetal. Also translations of "Principles of Radar," "Theory of

SHF Transmission Lines," and "Generation of Special Wave forms."

LEVIN, M. A.

228767

Levin, ~~III~~ M.B.

AUTHOR: Levin 123 - 1 - 61.

TITLE: Highly-adhesive Iditol Glue (Vysokovyazkiy iditolovyy kley).

PERIODICAL Sudostroyeniye, 1956, No.4, 39-40. (USSR)

ABSTRACT: As a substitute of the iditole glue (ИК) used commonly for cementing heat-insulating material to the hull of ship the new ИК glue has been offered, of the following consistency:

	Newly proposed (in %)	Commonly used
Iditol	49.0	48.5
Rosin	8	8
Rendered asbestos...	15	10
Card 1/2 Crude alcohol.....	28	33.5

LEXINA, M.E.

✓ 207. TRAINING OF THE PERSONNEL
Soviet Army, U.S. (Part 2) (continued)
The training of personnel is a continuous process. It is carried out in a number of stages. The first stage is the selection of personnel. The second stage is the initial training. The third stage is the advanced training. The fourth stage is the retraining. The fifth stage is the promotion. The sixth stage is the retirement. The seventh stage is the death. The eighth stage is the burial. The ninth stage is the commemoration. The tenth stage is the remembrance. The eleventh stage is the glorification. The twelfth stage is the immortalization. The thirteenth stage is the eternal life. The fourteenth stage is the resurrection. The fifteenth stage is the final judgment. The sixteenth stage is the eternal punishment. The seventeenth stage is the eternal reward. The eighteenth stage is the eternal glory. The nineteenth stage is the eternal honor. The twentieth stage is the eternal fame. The twenty-first stage is the eternal power. The twenty-second stage is the eternal dominion. The twenty-third stage is the eternal sovereignty. The twenty-fourth stage is the eternal supremacy. The twenty-fifth stage is the eternal supremacy. The twenty-sixth stage is the eternal supremacy. The twenty-seventh stage is the eternal supremacy. The twenty-eighth stage is the eternal supremacy. The twenty-ninth stage is the eternal supremacy. The thirtieth stage is the eternal supremacy.

RHA 12/6

RUMYANTSEV, M.V.; VOLKOV, V.M.; LEVIN, M.P.

Programmed teaching in radio engineering courses. Izv. vys.
ucheb. zav.; radiotekh. 6 no.4:378-386 J1-Ag '63.
(MIRA 16:11)

LEVIN, M.F.; SOKOLOV, L.S.

Device for teaching and control in solving radio receiver
circuit problems. *Izv. vys. ucheb. zav.; radiotekh.* 6 no.4:
443-446 J1-Ag '63. (MIRA 16:11)

VOLKOV, V.M.; KONEVETSKIY, G.K.; LEVIN, M.F.

Analysis of the phase characteristics of a single-stage electron-tube amplifier with automatic amplification control according to the constant component of the cathode current. Radiotekhnika 20 no.3:31-35 Mr '65. (MIRA 18:6)

1. Deystvitel'nyye ohleny Nauchno-tekhnicheskogo obshchestva radiotekhniki i elektrosvyazi imeni Popova.

YUNEVICH, D.P., kandidat tekhnicheskikh nauk; LEVIN, M.G., inzhener.

Asphalt-sand drain pipes. Gidr.i mel. 8 no.24-28 My '56.(MLRA 9:8)
(Drainpipes) (Asphalt)

BORODULIN, A.I., insh.; LEVIN, M.G., insh.

Air preheaters made of heat-resistant concrete blocks. Stal'
21 no. 1:17-19 Ja '61 (MIRA 14:1)

1. Kuznetskiy metallurgicheskiy kombinat i Soyuzteplostroy.
(Air preheaters)

Levin, M.G.

BRANT, A.L., kandidat meditsinskikh nauk; LEVIN, M.G.

The role of bronchoscopy in disorders of bronchial permeability between the various stages of a thoracoplastic operation. Probl. tub.34 no.6 supplement:27 N-D '56. (MLRA 10:2)

1. Iz Klinicheskogo tuberkuleznogo sanatoriyu Vsesoyuznogo Tsentral'nogo Soveta professional'nykh soyuzov no.1 "Dolossy."
(BRONCHOSCOPY) (LUNGS--SURGERY)

LEVIN, M. G.: Master Med Sci (diss) -- "The effectiveness and course of extra-pleural pneumothorax in patients with tuberculosis of the lungs. Based on material from the "Dolossy" sanatorium (central mountain zone of the southern shore of the Crimea)". Moscow, 1958. 15 pp (Central Inst for the Advanced Training of Physicians), 200 copies (KL, No 11, 1959, 122)

LEVIN, M G

Contributions to the physical anthropology of the Soviet Union, B. V.V. Bunak, G.F. Debets, and M.G. Levin with contributions by M.S. Abdshelishvili [and others. Translation by Vladimir M. Maurin] Cambridge, Mass., Peabody Museum, 1960.

VII, 192 p. Maps, Tables. 28 cm. (Russian translation series of the Peabody Museum of Archaeology and Ethnology, Harvard University. v. 1, no. 2)

Bibliography: p. 174-176. Bibliographical references included in "Notes" (p. 183-192)

LEVIN, M. G.

"L'ETHNOGRAPHIE ET L'ANTHROPOLOGIE COMME SOURCES DES ETUDES HISTORIQUES
(SUR LA METHODOLOGIE DE L'ETUDE HISTORIQUE DES PEUPLES N'AYANT PAS
D'HISTOIRE ECRITE)"

report presented
at The Sixth International Congress on Anthropological and Ethnological
Sciences, Paris 31 July-7 August 1960.

LEVIN, M. G.; SERGEYEV, D. A.

"Drevniye mogil'niki Chukotki i nekotorye aspekty eskimosskoy problemy."

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

GINZBURG, V.V.; LEVIN, M.G.; YAKIMOV, V.P.

Preparing for the Seventh International Congress on Anthropology
and Ethnography. Arkh. anat. gist. 1 embr. 42 no.2:127-128 F '62.
(MIRA 15:2)
(ANTHROPOLOGY CONGRESSES) (ETHNOLOGY CONGRESSES)

LEVIN, M.G. [deceased]

The anthropological type of ancient Eskimos. Trudy MOIP.
Otd. biol. 14:262-269 '64. (MIRA 13:4)

1. Institut etnografii AN SSSR imeni Miklukho-Maklnya.

LEVIN, Mikhail Izrailevich; POGORELAYA, Ye.P., red.; KRYUCHKOVSKIY, S.A., red.

[For the young worker on the economics of industrial production] Molodomu rabochemu ob ekonomike promyshlennogo proizvodstva. Leningrad, 1960. 13 l. (MIRA 14:7)

1. Leningrad. Publichnaya biblioteka.
(Industrial management)

LEVIN, Mikhail Izrailevich; KRAYZMER, L.P., kand. tekhn. nauk,
dots., nauchn. red.; KUZNETS, Yu.L., red.

[Cybernetics in our lives] Kibernetika vkhodit v zhizn';
beseda o knigakh. Nauchn. red. L.P.Kraizmer. Leningrad,
Publichnaia biblioteka, 1962. 15 p. (Na temu dnia, no.4)
(Bibliography--Cybernetics) (MIRA 16:16)
(Bibliography--Automatic control)

LEVIN, M.I.

The Leningrad Public Library and its work in the field of science
information. NTI no.1:6-8 '64. (MIRA 17:3)

USSR/Medicine - Typhus, Recurrent
Salvarsan Therapy

Aug 49

"Complications Caused by Salvarsan Therapy of Recurrent Typhus," M. I. Levin, Chief, Clinic of Infectious Diseases, Gen Asiatic Inst for Advancement of Doctors, Tashkent, 1 p

"Sov Med" No 8

After a short discussion of so-called "rudimentary" attacks during salvarsan therapy of recurrent typhus, cites two case histories (both with normal pyrexia) from data on 420 cases, including 82 with Jarisch-Herxheimer reaction and 13 with Milian erythema, all of which were treated with salvarsan. In both cases

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USSR/Medicine - Typhus, Recurrent (Contd)

Aug 49

further attacks were prevented. Rise in temperature in one case was attributed to the Jarisch-Herxheimer reaction, in the other to Milian erythema. Levin disagrees with the view of Voskresenskiy, Mnatsakanov, Lebedev, and others that these sudden rises in temperature after arsenotherapy are "derivative" or "abortive." He is convinced that only the appearance of spirochetes in the blood or an increase in leukocytes can determine whether a given rise in temperature is due to an attack of recurrent (even though rudimentary) typhus or to a complication caused by salvarsan therapy.

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LEVIN, M. I.

LEVIN, H. I.

Non-specific forms of European recurrent typhus. *Klin. med.*, Moskva
28:7, July 50. p. 79-80

1. Of the Infectious Diseases Clinic (Head--M. I. Levin), Middle-
Asiatic Institute for the Advanced Training of Physicians (Director--
D. S. Pulatov) located at the Tashkent No. 1 Infectious Diseases
Hospital (Head Physician--S. I. Umarov).

CML 19, 5, Nov., 1950

LEVIN, M. I.

Levin, M. I. - "Fifty years of lobectomy," Vracheb. delo, 1949,
No. 2, columns 173-74

SO: U-3566, 15 March 53, (Letopis 'Zhurnal 'nykh Statey, No. 11, 1949).

LEVIN, M.I., kandidat meditsinskikh nauk

Lobectomy in an extensive gunshot wound of the lung. Khirurgia
no.12:65-66 D' 55. (MLRA 9:7)

1. Iz Losovskoy rayonnoy bol'nitsy imeni V.I.Lenina (glavnyy
vrach P.G.Orsikh)

(WOUNDS AND INJURIES

gunshot wound of lung, surg., lobectomy)

(LUNGS, wounds and injuries

gunshot wound, surg., lobectomy)

LEVIN, Mikhail Israelovich; YEKIMOV, A.A., kandidat tekhnicheskikh nauk,
nauchnyy redaktor.

[Supplying industry with material and equipment] Material'no-
tekhnicheskoe snabzhenie predpriatiia. Leningrad, 1956. 44 p.
(Ekonomika promyshlennogo predpriatiia; rekomendatel'nyi ukazatel' literatury, no.7). (MLRA 10:2)
(Bibliography--Industrial management)

LEVIN, Mikhail Israilevich; KANTOR, L.M., kandidat ekonomicheskikh nauk,
nauchnyy redaktor.

Major construction work. Ekon.prom.pred.no.5:10 '56. (MIRA 10:3)
(Bibliography--Construction industry)

SEMKO, Yu.I.; SOLODOV, Yu.S.; LEVIN, M.I.

Analog to digital function converter for a.c.transducers for
scanning control systems. Izv.tekh. no.11:35-39 N '61.
(MIRA 14:11)

(Electronic calculating machines)

LEVIN, Mikhail Isaakovich; SHINDEROV, B.Ya., otv. red.; BELINA, R.A.,
red. izd-va; ANDREYEV, S.P., tekhn. red.

[Equipment and design of shops for reprocessing scrap metal]
Oborudovanie i proektirovanie tsekhov po pererabotke loma.
Khar'kov, Metallurgizdat, 1962. 210 p. (MIRA 16:2)
(Scrap metals)

LEVIN, M.I.

DIESEL MOTOR

Automatic temperature regulation of cooling water in Diesels. Energ. biul., No. 6, 1952.

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

LEVIN, M.I.; MOROZOV, N.F.

[Automatic signalling in Russian diesel equipment] Avtomaticheskaja
signalizatsiia v otechestvennykh dizel'nykh ustanovkakh. Leningrad,
Gos. nauchno-tekhn. izd-vo mashinostroit.i sudostroit. lit-ry [Le-
ningradskoe otd-nie] 1953. 142 p. (MIRA 7:3)
(Diesel engines) (Indicators for gas and oil engines)

SOV/124-57-8-8866

Translation from: Referativnyy zhurnal, Mekhanika, 1957. Nr 8, p 42 (USSR)

AUTHOR: Levin, M. I.

TITLE: Optimal Temperature Conditions for Engine Cooling Systems and Temperature-control Requirements (Optimal'nyy temperaturnyy rezhim v sistemakh okhlazhdeniya dvigateley i trebovaniya k avtomaticheskomu regulirovaniyu temperatury)

PERIODICAL: V sb.: Dvigateli vnutr. sgoraniya. Moscow-Leningrad, Mashgiz, 1954, pp 18-50

ABSTRACT: A survey and analysis of Soviet and foreign experimental investigations on the effect of changes in the temperature of the cooling water on changes in the functional parameters and operational performance of engines. The author establishes the boundaries of the temperature regime that is optimal from the point of view of effective power and operating economy of the engine and that minimizes the wear and temperature stresses in the engine components. Automatic cooling-water temperature-control specifications are formulated.

I. M. Smirnova

Card 1/1

LEVIN, M.I., kandidat tekhnicheskikh nauk.

~~Creating Russian automatic diesel generating plants.~~ Energo-
mashinostroenie no.3:11-14 D '55. (MLBA 9:5)
(Electric power plants)

LEVIN, M.I.; MOROZOV, N.F.

Designing basic instruments for the automatization of diesel
engines. Priborostroenie no.9:23-24 S '56. (MLRA 9:10)

(Diesel engines) (Automatic control)

LEVIN, Mark Iosifovich; ZYSIN, V.A., dotsent, nauchnyy redaktor; DZHALABEKOVA,
L.A., otvetstvennyy redaktor; SUSLENNIKOVA, N.M., tekhnicheskiiy redaktor.

[Motors; from the water wheel to the atomic engine] Mashina-dvigatel';
ot vodianogo koleasa do atomnogo dvigatel'ia. Leningrad, Gos.izd-vo
detskoi lit-ry M-va prosv.RSFSR, 1957. 222 p. [Microfilm]

(MIRA 10:4)

(Motors)

ANDREYEVSKIY, N.A.; BARANOV, S.M.; VANSHEYDT, V.A., professor, doktor
tekhnicheskikh nauk; VELIKSON, D.M.; QENDLER, L.V.; IVANCHENKO, H.H.;
ISTOMIN, P.A.; KATS, A.M. [deceased]; KOLLEROV, L.K.; ~~LEVIN, M.I.~~
NIKITIN, M.D.; ROZHDESTVENSKIY, V.V.; GOPMAN, Ye.K., redaktor izda-
tel'stva; POL'SKAYA, R.G., tekhnicheskiy redaktor

[Diesel engines; a handbook for designers] Dizeli; spetsialnaya posobie
konstruktora. Moskva, Gos. nauchno-tekhn. izd-vo mashinostroit. lit-
ry, 1957. 442 p. (MLR: 10:10)
(Diesel engines)

KOLLEROV, L.K., kand. tekhn. nauk; LEVIN, M.I., kand. tekhn. nauk

Automation of diesel power plants. *Energomashinostroenie* 4
no. 6:22-24, 35 Ja '58. (MIRA 11:8)
(Diesel electric power plants)
(Automatic control)

LEVIN, M.I., kand.tekhn.nauk

New indirect-acting thermoregulator for large diesels.
Energomashinostroenie 4 no.2:35-38 F '58. (MIRA II:4)
(Temperature regulators)

LEVIN, Mark Iosifovich; TSYRKIN, Mikhail Isaakovich; MATYUNIN, A.S., inzh.,
retsensent; ZBROZHKK, V.V., inzh., nauchnyy red.; APTEKMAN, M.A.,
red.; FRUMKIN, P.S., tekhn.red.

[Automatic systems for controlling temperatures of marine diesel
engines] Sistemy avtomaticheskogo regulirovaniia temperatur v
sudovykh diesel'nykh ustanovkakh. Leningrad, Gos.soiuznoe izd-vo
sudostroit.promyshl., 1959. 138 P. (MIRA 12:5)
(Marine diesel engines--Cooling) (Automatic control)
(Temperature regulators)

TSYRKIN, Mikhail Isaakovich; KAPITANSKIY, Vil' Moiseyevich; PETROV, P.P.,
kand. tekhn. nauk, retsenzent; RAPOPORT, L.I., kand. tekhn. nauk,
retsenzent; LEVIN, M.I., kand. tekhn. nauk, nauchnyy red.; APTEK-
MAN, M.A., red.; TSAL, R.K., tekhn. red.

[Remote control systems for main marine diesel engines] Sistemy di-
statsionnogo upravleniia glavnymi sudovymi dizeliami. Leningrad,
Gos. soiuznoe izd-vo sudostroit. promyshl., 1961. 245 p.
(MIRA 14:11)

(Remote control) (Marine diesel engines--Water)

LEVIN, M.I.

Bases for the construction of automatic diesel generators
according to standard projects. Trudy TSNIDI no.40:3-45 '60.
(MIRA 15:8)

(Diesel electric power plants)

LEVIN, M. I.; DODIK, S. D.

Continuous stability of stabilizers with silicon stabilitrons.
Izm. tekhn. no. 10:42-45 0 '62. (MIRA 15:10)

(Voltage regulators)

KARANDEYEV, Konstantin Borisovich; LEVIN, M.I., prof., retsenzent;
BIBER, L.A., red.; BUL'DYAYEV, N.A., tekhn. red.-----

[Special techniques in electrical measurements], Spetsial'-
nye metody elektricheskikh izmerenii. Moskva, Gosenergoiz-
dat, 1963. 343 p. (MIRA 16:5)
(Electric measurements)

DUBROV, M.M., inzh.; LEVIN, M.I., kand. tekhn. nauk; TIKHOMIROV, B.V., inzh.

Automation of marine diesel power plants. Sotsstroenie 30 no.9:
4-8 S '64. (MIRA 17:11)

LEVIN, M.I.,

KUZ'NICHIEV, F.I.; LEVIN, M.I.; MASLENNIKOV, S.M., retsenzent;
PLEMYANNIKOV, M.M., redaktor; EL'KINA, E.M., tekhnicheskii
redaktor.

[Technology of felt manufacture] Tekhnologiya valial'no-
vollochnogo proizvodstva, Moskva, Gos. nauchno-tekhn.
izd-vo Ministerstva promyshlennykh tovarov shirokogo
potrebleniia SSSR, 1954. 270 p.
(Felt) (Shoe industry)

(MLRA 7:12)

LEVIN, M.I., inzh.; KHOKHLOV, A.V., inzh.

Expansion of the felting industry in the 1959-1965 period.
Tekst.prom. 19 no.8:4-6 Ag '59. (MIRA 13:1)
(Felt)

LEVIN, M.I.; GUSHCHA, L.A.; AL'TMAN, K.Z., starshiy inzh.; PESIN, I.Ya.;
AKSENOVA, A.F.

New reagents for feltwork. Tekst.prom. 21 no.12:48-50 D
'61. (MIRA 15:2)

1. Nachal'nik otdela valyal'no voylochnykh izdeliy Rosglav-
legsnabsbytsyr'ye pri Vserossiyskom sovete narodnogo
khozyaystva (for Levin). 2. Glavnyy inzh. Tsentral'noy
nauchno-issledovatel'skoy laboratorii khlopka i shersti
Mosgorsovnarkhoza (for Gushcha). 3. Tsentral'naya nauchno-
issledovatel'skaya laboratoriya khlopka i shersti Mosgorsovnarkhoza
(for Al'tman). 4. Glavnyy inzh. fabriki "Tekhvoylok" (for
Pesin). 5. Zaveduyushchiy laboratoriyey fabriki "Tekhvoylok"
(for Aksenova).

(Feltwork)
(Ammonium sulfate)

KUZ'MICHEV, Flegon Ivanovich; LEVIN, Mikhail Iosifovich; GODINER, F.Ye.,
red.; GCRBATKIN, B.G., tekhn. red.

[Manufacture of felt footwear and felt]Proizvodstvo valianoi obu-
vi i voilokov. Moskva, Gosmestpromizdat, 1962. 277 p.

(MIRA 16:1)

(Boots and shoes, Felt) (Feltwork)

LEVIN, M. I.

USSR/Instruments, Measuring
Electricity

Jul 1947

"Methods of Calculating Electric Measuring
System," M. I. Levin, 9 pp

"Elektrichestvo" Vol LXVII, No 7

Discusses measurement systems with two measuring factors. Equations are derived determining the current changes in one of the branches and for the sensitivity of such systems. Mathematical discussion with formulae and graphs.

17T86

LEVIN, M. I.

42268: LEVIN, M. I. - Metody rascheta skhem, soderzhashchikh tseri s ferromagnitnymi ser-
dechnikami. Trudy Mosk. energet. in-ta im. Moletova, VYP 3, 1948, s. 73-91. -
Bibliogr: 8 nazv.

SO: Letopis' Zhurnal'nykh Statey, Vol. 47, 1948

указан в библиографии

LEVI, N. I.

"Questions of the General Theory and Calculations of Electrical Machines Circuits."
Sub 2 Nov 51, Moscow Order of Lenin Power Engineering Institute. N. N. Volstev.

Discussions presented for science and engineering centers in Moscow during 1951.

SO: Sov. No. 458, 9 May 55.

LEVIN, M.I., doktor tekhn. nauk.

Determining errors of voltage transformers. Trudy MBI no.13:139-
143 '53. (MIRA 11:4)

1. Moskovskiy energeticheskiy institut im. V.M. Molotova, Kafedra
elektropristoroystroyeniya.
(Electric transformers)

TALITSKIY, A.V., prof.; LEVIN, M.I., doktor tekhn. nauk; KLIBANOVA, S.B.,
inzh.

Device on twisting and insulating machines for checking the resistance
of cable conductors. Trudy MBI no.13:144-150 '53. (MIRA 1114)

1. Moskovskiy energeticheskiy institut im. V.M. Molotova, Kafedra
elektropriloborostroyeniya.

(Electric cables--Testing)

105-6-6/26

AUTHOR

LEVIN, M. I., Doctor of Technical Sciences, Professor; BYKOV, M. A.,
Candidate of Technical Sciences; TYURIN, N. I., Engineer.

TITLE

Problems connected with the Standardization of Electric Measuring Devices.
(Voprosy standartizatsii elektroizmeritel'nykh priborov.--Russian)

PERIODICAL

Elektrichestvo 1957, Nr 6, pp 21-24 (U.S.S.R.)

ABSTRACT

The technical committee Nr 13 of the International Electro-technical Commission (IEC) recently worked out "recommendations" for acting energy counters and indicators. In November 1955 they were discussed at Budapest, but in view of the fact that a number of points were considered to be unacceptable by the Soviet delegation, the "recommendations" of the conference were left to be dealt with by the technical experts who met in London in January 1956. In October 1956 two projects of the "recommendations" for electric acting energy counters of the class 2,0 and for electric measuring and indicating devices were completed in London and in Naples. At present the definite texts are being worked out by the Hungarian National Committee and will enter into force after being approved by the member states. Some of the resolutions were made in form of compromises as e.g. those concerning the binding force of standards, terms of guarantee, etc. In the course of a short survey it is shown

CARD 1/2

8(3)

AUTHORS:

~~Lavin, M. I.,~~ Doctor of Technical Sciences, Professor
Demidova, R. M., Post-graduate Student

SOV/161-58-3-6/27

TITLE:

The Measurement of the Phase Error in Coils With Mutual Inductance (Izmereniye fazovoy pogreshnosti katushki vzaimnoy induktivnosti)

PERIODICAL:

Nauchnyye doklady vysshey shkoly. Elektromekhanika i avtomatika, 1958, Nr 3, pp 51-56 (USSR)

ABSTRACT:

In the introduction it is pointed out that coils with mutual inductance are important elements in many measuring circuits, and the phase shifting in the latter between current and voltage is evaluated. In this connection a phase shifting of 90° with frequencies such as are usual in industry is assumed in practice. As a result of winding capacities, the eddy-current losses, and the dielectric losses in insulation, phase shifting, however, deviates from 90° . This deviation is called phase error (fazovaya pogreshnost') and increases at high-frequency currents to such an extent that it can no longer be neglected. A method is then described, by means of which the phase error can be determined on two coils of similar construction: a) by measurement of the sum, b) by

Card 1/3

The Measurement of the Phase Error in Coils With Mutual Inductance SOV/161-58-3-6/27

measurement of the difference in the phase errors of the two coils. The wiring diagram of the experimental arrangement is shown (Fig 1). In principle, the relative condition of phases in the two coils is varied by means of a so-called phase-shifter (Fig 3). By a suitable selection of the phase position and of the input voltage it is possible to determine the phase errors in the two coils. Figure 4 shows the wiring diagram for measuring the difference of phase errors. By means of vector diagrams (Figs 2, 5) a survey is given of the phase positions of voltage and current in the coils and resistors. The wiring scheme initially shown is improved and extended in several steps (Figs 6, 7, 8). Also mathematical considerations are adapted to the improved methods. It is pointed out that the methods developed are rather complicated in practice and that it appears to be more opportune to determine the phase shifting of coils in schemes that correspond to the purpose for which they are eventually to be used. In conclusion it is pointed out that by means of the methods developed it is possible to determine phase shifting within a wide frequency range. Frequency must be kept constant. There are 8 figures

Card 2/3

The Measurement of the Phase Error in Coils With Mutual Inductance SOV/161-58-3-6/27

and 1 reference.

This article was recommended for publication by the Kafedra elektropriborostroyeniya Moskovskogo energeticheskogo instituta (Chair for Electrical Apparatus Construction at the Moscow Institute for Power Engineering)

ASSOCIATION: Kafedra elektropriborostroyeniya Moskovskogo energeticheskogo instituta (Chair for Electrical Apparatus Construction at the Moscow Institute for Power Engineering)

SUBMITTED: June 16, 1958

Card 3/3

AUTHOR: Levin, M.I. SOV-115-58-4-22/45

TITLE: Elements of the Theory and Computation of Bridge Circuitry
(Elementy teorii i rascheta mostovykh skhem)

PERIODICAL: Izmeritel'naya tekhnika, 1958, Nr 4, pp 46-50 (USSR)

ABSTRACT: The theory of bridge circuitry is discussed and formulae are given for computing the bridge's sensitivity from: 1) Current (when the bridge is near its balance), 2) Voltage, 3) Power. Examples of sensitivity calculations are given for ordinary and double-T bridge circuits are quoted and the effect of inter-changing the positions of the power source and the indicating instrument illustrated. Unbalanced bridges are also reviewed. There are 6 schematic diagrams and 2 Soviet References.

1. Electric bridges--Theory

Card 1/1

LEVIN M.

AUTHORS: Gel'fond, A., Karandeyev, K., 105-58-4-35/37
Chistyakov, N., Shumilovskiy, N., Levin, M.,
Yermakov, V., Kobrinskiy, N., and others

TITLE: V. N. Mil'shteyn (Deceased)

PERIODICAL: Elektrichestvo, 1958, Nr 4, pp. 94-94 (USSR)

ABSTRACT: Obituary notice. On January 9, 1958 Professor Viktor Naumovich Mil'shteyn, Dr. of Technical Sciences died at the age of 44. After he finished the Moskau Institute for Power Engineering he worked in industry and as pedagogue. In 1938 he became Candidate and in 1945 Dr. of Technical Sciences. Since then he was Director of the Chair for Electric and Automatic Apparatus at the Moskau Institute for Aviation imeni Ordzhonikidze. In 1949 he changed over to the Scientific Research Institutes for Systems at the Committee for Standards, Measures and Measuring Apparatus. At the same time he worked as pedagogue at the Penza Institute for Industry and then at the Moskau Electrotechnical Institute for Telecommunications. He wrote many

Card 1/2

V. N. Mil'shteyn (Deceased)

105-58-4-35/37

publications and many inventions were made by him. His scientific work included the field of theoretical electrical engineering and radio engineering as well as the problems on the theory and the calculation of measuring instruments, automation elements and electromagnetic mechanisms. Before his death he had his monography "The Energetic Relations in Electrical Measuring Instruments" printed. There are 1 figure.

AVAILABLE: Library of Congress

1. Obituary

Card 2/2

ANDRIANOV, V.N.; BYSTRITSKIY, D.N.; KRAUSP, V.R.; PAN'KIN, V.V.;
PECHKOVSKIY, G.A.; ZAK, I.G.; LEVIN, M.I.

Automation of small mobile electric power plants used as
temporary and reserve power supply sources in agriculture.
Sbor. nauch.-tekh. inform. po elek. sel'khoz. no.6:34-39 '59.
(MIRA 13:9)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrifikatsii
sel'skogo khozyaystva (for Pechkovskiy). 2. Saratovskiy
mekhanicheskiy zavod (for Zak). 3. Tsentral'nyy dezinfekt-
sionnyy nauchno-issledovatel'skiy institut (for Levin).
(Electric power plants) (Electricity in agriculture)

NESTERENKO, A.D., otv.red.; LEVIN, M.I., doktor tekhn.nauk, red.; ORNATSEIY,
P.P., kand.tekhn.nauk, red.; PETROCHENKO, V.F., kand.tekhn.nauk, red.;
GORODOVSKIY, A.F., inzh., red.; ZASLAVSKIY, S.Sh., inzh., red.;
SELIBER, B.A., inzh., red.; KAZANTSEV, B.A., red.izd-va; YEFIMOVA,
M.I., tekhn.red.

[Problems in the manufacture of general electrical instruments]
Voprosy obshchego elektropriboroostroenia. Kiev, 1960. 262 p.
(MIRA 13:6)

1. Akademiya nauk USSR, Kiyev. Institut elektrotekhniki.
2. Chlen-korrespondent AN USSR (for Nesterenko).
(Electric instruments)

BYKOV, Mikhail Aleksandrovich; GRATSIANSKIY, Igor' Nikolayevich; KIPER, Isaak Iosifovich; KUFYASHOVA, Yelena Mikhaylovna; LEVIN, Mark Iosifovich; PRYTKOV, Vladimir Tikhonovich; STREKALOV, Ivan Alekseyevich; TALITSKIY, Aleksandr Vasil'yevich; KHARCHENKO, Roman Romanovich; SHUMILOVSKIY, Nikolay Nikolayevich; KASATKIN, A.S., red.; VORONIN, K.P., tekhn.red.

[Course on electric measurements] Kurs elektricheskikh izmerenii.
Pod red. V.T.Prytkova i A.V.Talitskogo. Moskva, Gos.energ.isd-vo.
Pt.1. 1960. 479 p. Pt.2. 1960. 430 p. (MIRA 13:10)
(Electric measurements)

S/194/61/000/009/008/053
D209/D302

AUTHORS:

Levin, M.I. and Lyubarskaya, A.M.

TITLE:

Error problems in voltage transformers designed for operating at higher frequencies

PERIODICAL:

Referativnyy zhurnal. Avtomatika i radioelektronika, no. 9, 1961, 14, abstract 9 A94 (V sb. Vopr. obshch. elektropribor., Kiyev, AN USSR, 1960, 83-92)

TEXT:

The method for voltage transformer error calculations (which amounts to determining a complex error) used for industrial frequency transformers, can be applied to transformers operating at higher frequencies - up to 10,000 kc/s. At frequencies of $8 - 10 \times 10^3$ cycles, capacitive couplings can be neglected in the case of sufficiently small number (of the order of several hundred) of turns in the secondary winding. The transformer parameters can be calculated assuming nominal voltages, nominal frequency range, nominal load and permissible error, taking into account permissible

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Error problems...

S/194/61/000/009/008/053
D209/D302

change of error with the change of load from zero to nominal value, and limiting the transformer no-load power consumption. By this method multirange voltage transformer samples for frequencies from 100 to 10,000 ~~Hz~~; voltages from 400/100 to 2000/100 V were designed. The transformer errors at frequencies up to 5000 cycles do not exceed: $\pm 0.2\%$ in the transformation coefficient k , $\pm 10'$ in the angle δ ; at the frequencies > 5000 cycles these do not exceed: $\pm 0.5\%$ in the transformer coefficient k , $\pm 20'$ in δ . [Abstracter's note: Complete translation]

Card 2/2

S/115/60/000/06/19/031
B007/B014

AUTHORS: Levin, M. I., Semenov, V. F., Tseplyayev, K. N.

TITLE: A Galvanometric Measuring Amplifier With Semiconductor Thermistors 1

PERIODICAL: Izmeritel'naya tekhnika, 1960, No. 6, pp. 40-43

TEXT: At A. F. Gordovskiy's suggestion (Ref. 3, Author's Certificate No. 126192, September 12, 1953) the zavod ZIP (ZIP Works) started the manufacture of the galvanometric heat-radiation zero indicator T-316 (T-316).⁵³ ✓
This instrument is highly sensitive, but cannot stabilize the amplification constant. In the article under review, the authors describe a galvanometric heat-radiation amplifier with thermistors. The amplification constant is stabilized by means of a strong negative feedback. This feedback along with a few additional provisions makes it possible to manufacture sensitive and accurate instruments. First, the authors explain the mode of operation of this instrument in which thermistors are used for voltage amplification, after which they describe the selection of the bridge parameters and the types of thermistor and galvanometer. The circuit diagram of this amplifier

Card 1/2

A Galvanometric Measuring Amplifier
With Semiconductor Thermistors

S/115/60/000/06/19/031
B007/B014

✓
B

is illustrated in Fig. 5. Finally, its technical data are given.
There are 5 figures and 6 Soviet references.

Card 2/2

GUSTOV, L.D., inzh. (Sverdlovsk); LEVIN, M.I., inzh. (Sverdlovsk);
MARINOV, A.M., inzh. (Sverdlovsk); MYZIN, L.M., inzh. (Sverdlovsk);
PETROKOV, A.P., inzh. (Sverdlovsk)

Sverdlovsk's 500 kv. substation. Elektrichestvo no.7:61-65
Jl '60. (MIRA 13:8)

(Sverdlovsk--Electric substations)

LEVIN, M.I.

Testing current transformers with nonstandard rated transformation
coefficients. Izv. vuz. no.12:22-25 D '60. (MIRA 13:11)
(Electric current converters--Testing)

DODIK, S.D.; LEVIN, M.I.

Transistor stabilizers for the current supply of testing units.

Izm. tekhn. no. 3:28-30 Mr '61.

(MIRA 14:2)

(Transistor circuits)

LEVIN, M.I.; DOKTOROV, A.N., kand. tekhn. nauk, retsenzent; PETROV, P.P., kand. tekhn. nauk, dots., red.; MITARCHUK, G.A., red. izd-va; BARDINA, A.A., tekhn. red.; PETERSON, M.M., tekhn. red.

[Automation of diesel electric-power plants; standard technology and devices] Avtomatizatsiia dizel'-generatornykh ustanovok; tipovaia tekhnologiya i unifitsirovannye sredstva. Moskva, Mashgiz, 1963. 164 p. (MIRA 16:9)
(Diesel electric power plants) (Automation)

L 00008-66 EWT(d)/EWP(v)/EWP(k)/EWP(h)/EWP(l)

ACCESSION NR: AR5008446

UR /0271/65/000/002/A035/A035
621.398.694

43
B

SOURCE: Ref. zh. Avtomatika, telemekhanika i vychislitel'naya tekhnika.
Svodnyy tom, Abs. 2A208

AUTHOR: Levin, M. I.; Semko, Yu. I.; Semenov, V. F.; Solodov, Yu. S.;
Yevtikhiyev, N. N.; Mozheyko, A. A.

TITLE: Measuring units of the "Tsentrrotekhnika" system

CITED SOURCE: Tr. Mosk. energ. in-ta, vyp. 52, 1963, 133-146

TOPIC TAGS: supervisory control system / Tsentrrotekhnika system

TRANSLATION: Measuring units are described of the "Tsentrrotekhnika" supervisory control system. The system is designed for operation with several types of thermocouple sensors, resistance thermometers, and differential-transformer sensors. For each type, special measuring units have been developed which connect the sensor output with the nonelectric measurands and convert them into a binary digital code. Each measuring unit is constructed as a separate adapter which includes all measuring elements. By means of a special plug-and-socket

Card 1/2

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ACCESSION NR: AR5008446

device, the adapters are connected to the system circuit. All measuring units convert the deviation of the measurand from its normal value into a digital code. The measured difference between the present and the normal values is converted into the code by means of a developing discrete transformation. Special individual settings are used to obtain signals corresponding to normal values. Figs. 8. Bibl. 4.

SUB CODE: IE

ENCL: 00

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