

AL'TSHUL', A.D., dotsent, kand.tekhn.nauk; KALITSUN, V.I., inzh.

Resistance coefficient of gradually diminishing sections of pipe.
Izv. vys. ucheb. zav.; energ. 3 no. 7:116-120 J1 '60.

(MIRA 13:8)

1. Moskevskiy institut inzhenerov gorodskogo stroitel'stva
Mosgorispolkoma. Predstavlena kafedroy gidravliki i kanalizatsii.
(Hydraulics)

AL'TSHUL', A.D.; KALITSUN, V.I.

Investigating the hydraulic resistance of aluminum pipes. Gaz.
prom. 5 no.9:36-39 S '60. (MIRA 13:9)
(Pipe, Aluminum) (Hydraulic control)

AL'TSHUL', A.D., inzh.

Formula of the Chezy coefficient for rivers. Gidr. stroi.
31 no.7:50 J1 '61. (MIRA 14:7)

(Hydrodynamics)

AL'TSHUL', A.D., kand.tekhn.nauk, dotsent; KALITSUN, V.I., inzh.

Effect of the slope of the bottom on the magnitude of the Chézy coefficient in the presence of a uniform turbulent flow in channels.
Izv.vys.ucheb.zav.; energ. 4 no.9:98-103 S '61. (MIRA 14:10)

1. Moskovskiy inzhenerno-stroitel'nyy institut imeni V.V.Kuybysheva.
Predstavlena kafedroy kanalizatsii i gidravliki.
(Hydraulic engineering)

AL'TSHUL', Adol'd Davydovich; RABINOVICH, Ye.Z., kand. tekhn. nauk,
red.; RASTOVA, G.V., ved. red.; BASIMAKOV, G.M., tekhn. red.

[Local hydraulic resistances in the flow of viscous fluids]
Mestnye gidravlicheskie soprotivleniia pri dvizhenii viazkikh
zhidkostei. Moskva, Gostoptekhizdat, 1962. 114 p.

(MIRA 15:6)

(Fluid mechanics)

AL'TSHUL', Adol'f Davydovich; ZINGER, N.M., red.; LARIONOV, G.Ye.,
tekhn. red.

[Hydraulic friction losses in pipelines] Gidravlichebkie
poteri na trenie v truboprovodakh. Moskva, Gosenergoizdat,
1963. 255 p. (MIRA 16:5)
(Pipelines--Fluid dynamics)

AL'TSHUL', A.D.; KALITSUN, V.I.

[Hydraulic resistances in pipelines] Gidravlicheskie
soprotivleniia truboprovodov. Moskva, Stroiizdat, 1964.
168 p. (MIRA 18:3)

AL'TSHUL', A.D.; KEDROV, V.S.

[Principles of hydraulics, water supply, and sewerage systems; practical instructions and test assignments for students majoring in "Industrial construction and civil engineering" at schools of higher education, in faculties and departments] Osnovy gidravliki, vodosnabzheniia i kanalizatsii; metodicheskie ukazaniia i kontrol'nye zadaniia dlia studentov spetsial'nosti "Promyshlennoe i grazhdanskoe stroitel'stvo" vysshikh uchebnykh zavedenii, fakul'tetov, otdelenii. Izd.2. Moskva, Vysshaia shkola. 1964. 53 p. (MIRA 17:9)

1.Russia (1923- U.S.S.R.) Ministerstvo vysshego i srednego spetsial'nogo obrazovaniia.

AL'TSHUL', Adol'f Davydovich; KISELEV, Petr Grigor'yevich;
ARKHANGEL'SKIY, V.K., doktor tekhn. nauk prof.,
nauchn. red.

[Hydraulics and aerodynamics; fundamentals of fluid
mechanics] Gidravlika i aerodinamika; osnovy mekhaniki
zhidkosti. Moskva, Stroiizdat, 1965. 273 p.
(MIRA 18:7)

BOGOMOLOV, Anatoliy Ivanovich, prof.; MIKHAYLOV, Konstantin
Aleksandrovich, prof. Prinimal uchastiye SHATAN, V.S.,
kand. tekhn. nauk; UGINCHUS, A.A., prof., doktor tekhn.
nauk, retsenzent; KISELEV, P.G., dots., kand. tekhn.
nauk, retsenzent; AL'TSHUL', A.D., retsenzent;
OUREZKOV, S.S., inzh., nauchn. red.

[Hydraulics] Gidravlika. Moskva, Izd-vo lit-ry po stroit.
1965. 632 p. (MIRA 18:7)

AL'TSHUL', A.M.

Illustrated newspaper of Bukovina telecommunication workers.
Vest. svlazi 22 no.5:31-32 My '62. (MIRA 15:5)

1. Zamestitel' otvetstvennogo sekretarya redaktsii gazety
"Radians'ka Bukovina".
(Bukovina--Telecommunication--Periodicals)

AL'TSHUL', A.S., professor.

Cases of sarcoma of the colon. Vest.khir. 76 no.8:128-129 '55.
(MLRA 8:11)

1. Iz kafedry obshchey khirurgii Chkalovskogo meditsinskogo
instituta.
(COLON(ANATOMY)--TUMORS)

AL'TSHUL', A.S., professor.

Clinical aspects and therapy of chronic and intermittent forms
of intestinal invagination. Vest.khir.76 no.10:54-60 N '55.

(MLRA 9:1)

1. Iz kliniki obshchey khirurgii (zav.--prof. A.S.Al'tshul')
Chkalovskogo meditsinskogo instituta.

(INTUSSUSCEPTION

clin.aspects & ther.)

AL'TSHUL', A.S., prof. (Orenburg)

A case of cerebral endocrine cachexia with spastic duodenal obstruction. Klin.med. 36 no.2:127-129 F '58. (MIRA 11:4)

1. Iz kafedry obshchey khirurgii (zav. - prof. A.S.Al'tshul')
Orenburgskogo meditsinskogo instituta.

(SIMMOND'S DISEASE, compl.

spastic duodenal obstruct. (Rus))

(INTESTINAL OBSTRUCTION, case reports

spastic duodenal obstruct. in Simmond's dis. (Rus))

AL'TSHUL', Abram Samoylovich, prof.; TAL'MAN, I.M., red.; LEBEDEVA,
Z.V., tekhn. red.

[Mechanical obstruction of the intestines] Mekhanicheskaia
neprokhodimost' kishechnika; klassifikatsiia, patogenez,
klinika i lechenie. Leningrad, Medgiz, 1961. 251 p.

(MIRA 15:2)

(INTESTINES—OBSTRUCTIONS)

AL'TSHUL', A.S., prof. (Orenburg, ul. M. Gor'kogo, d. 45); DOLGOV, M.A.

Two cases of retrograde intestinal invagination. Klin.khir.
no. 7: 76-77 J1 '62. (MIRA 15:9)

1. Kafedra obshchey khirurgii (zav. - prof. A.S. Al'tshul')
Orenburgskogo meditsinskogo instituta.
(INTESTINES—INTUSSUSCEPTION)

AL'TSHTUL', A.S., professor (Orenburg, ul. M. Gor'kogo, d.45)

Immediate and late results after gastrectomy and combined resections
of the stomach. Vest.khir. no.7:60-65 '61. (MIRA 15:1)

1. Iz kliniki obshchey khirurgii (zav. - prof. A.S. Al'tshtul')
Orenburgskogo meditsinskogo instituta.
(STOMACH--SURGERY)

AL'TSHUL', A. T.

USSR/Engineering - Hydraulics, Pipes

Jun 52

"Generalized Formula for Hydraulic Calculation of
Pipelines," A. T. Al'tshul', Cand Tech Sci

"Gidrotekh Stroit" No 6, pp 44-47

Analyzes formula developed by certain revision of
generally accepted theory of turbulent motion in
pipes for detn of friction coeff ("Dok Ak Nauk
SSSR" Vol 76, No 6, 1951). Finds formula is appli-
cable for all liquids, for pipes of any diam and
for any velocity of motion. Discusses advantages
of suggested formula in comparison with existing
universal formulas, using method of graphical
analysis.

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35516

S/020/62/143/003/009/029
B104/B102

AUTHOR: Al'tshul', B. A.

TITLE:

Application of the asymptotic approximation to studies of the dynamics of a Buass-Sardu controller

PERIODICAL: Akademiya nauk SSSR. Doklady, v. 143, no. 3, 1962, 555 - 557

TEXT: The authors studies the system $\frac{dx}{dt} = X_k(x_1, \dots, x_r, \theta)$ ($k = 1, \dots, r$),
 $\frac{d\theta}{dt} = \lambda \omega(x_1, \dots, x_r) + A(x_1, \dots, x_r, \theta)$, (1)
where λ is a large parameter, $X_k(x_1, \dots, x_r, \theta)$ and $A(x_1, \dots, x_r, \theta)$ are periodic functions of θ with the period 2π . Using the substitution

Card 1/4

$$x_k = \bar{x}_k + \frac{1}{\lambda} \sum_{n=1}^{\infty} \frac{1}{n\omega} (-G_{k,n} \cos n\bar{\theta} + F_{k,n} \sin n\bar{\theta}) + o\left(\frac{1}{\lambda^2}\right), \quad (2)$$

APPROVED FOR RELEASE: 03/20/2001

CIA-RDP86-00513R000101210007-9

$$- \frac{1}{\lambda} \sum_{\substack{n,q \\ n \neq 0}} \frac{1}{n^2 \omega^2} \frac{\partial \omega}{\partial x_q} (F_{q,n} \cos n\bar{\theta} + G_{q,n} \sin n\bar{\theta}) + o\left(\frac{1}{\lambda^2}\right)$$

the author eliminates θ from the right-hand sides of (1) with an arbitrary degree of accuracy.

Card 2/4

$$\begin{aligned} \frac{dx_k}{dt} &= X_{k,0} - \frac{1}{\lambda} \sum_{n=1}^{\infty} \frac{1}{2\omega} (F_{k,n} f_n + G_{k,n} g_n) - \\ &- \frac{1}{\lambda} \sum_{\substack{n,q \\ n \neq 0}} \frac{1}{2n\omega} \left(\frac{\partial F_{k,n}}{\partial x_q} G_{q,n} - \frac{\partial G_{k,n}}{\partial x_q} F_{q,n} \right) + \\ &+ \frac{1}{\lambda} \sum_{\substack{q,n \\ q,n \neq 0}} \frac{1}{2\omega^2 n} \frac{\partial \omega}{\partial x_q} (F_{k,n} G_{q,n} - G_{k,n} F_{q,n}) + o\left(\frac{1}{\lambda^2}\right), \\ \frac{d\bar{\theta}}{dt} &= \lambda \omega + A_0 + \frac{1}{\lambda} \sum_{\substack{n,p,q \\ n \neq 0}} \frac{1}{4n^2 \omega^2} \frac{\partial^2 \omega}{\partial x_p \partial x_q} (F_{p,n} F_{q,n} + G_{p,n} G_{q,n}) - \\ &- \frac{1}{\lambda} \sum_{\substack{n,p,q \\ n \neq 0}} \frac{1}{4n^2 \omega^2} \left(\frac{\partial F_{p,n}}{\partial x_q} G_{q,n} + \frac{\partial G_{p,n}}{\partial x_q} F_{q,n} \right) + o\left(\frac{1}{\lambda^2}\right) \end{aligned} \quad (3)$$

Application of the ...

S/020/62/143/003/009/029
B104/B102

Blekhman et al. (Izv. AN SSSR, OTN, no. 10, 48(1955)) report on such a controller which is described by the following set of equations:

$$I\ddot{\theta} + k\dot{\theta} = Mgr + \mu h(x - h\sin\theta) \cos \theta,$$

$$m\ddot{x} + \beta\dot{x} + \mu x = mg + \mu h\sin\theta,$$

(4).

$\theta = \theta(t)$ and $x = x(t)$, all other parameters are constants. There are 2 Soviet references.

PRESENTED: November 20, 1961, by N. N. Bogolyubov, Academician

SUBMITTED: October 20, 1961

Card 4/4

AL TSHUL', B.A.

Using the asymptotic approximation method for studying the dynamics of the Boisse-Sardou regulator. Dokl. AN SSSR 143 no.3:555-557 Mr '62.
(MIRA 15:3)

1. Predstavleno akademikom N.N.Bogolyubovym.
(Differential equations)(Approximate computation)

AL'TSHUL', B.A.; RUBANIK, V.P.

Interaction of nonlinear oscillatory systems with the presence
of linear coupling forces having small time delay. *izv. vys.*
ucheb. zav.; radiofiz. 6 no.1:137-148 '63. (MIRA 16:7)

1. Chernovitskiy gosudarstvennyy universitet.
(Electronics)

AL'TSHUL', L.M.; KARPMAN, V.I.

Kinetics of waves in a weakly turbulent plasma. Zhur. eksp. i
teor. fiz. 47 no.4:1552-1574 0 '64.

(MIRA 18:1)

1. Novosibirskiy gosudarstvennyy universitet.

L 5347-66 EWT(1)/ETC/EPF(n)-2/ENG(m)/EPA(w)-2 IJP(c) AT
 ACCESSION NR: AP5021116 UR/0056/65/049/002/0515/0528

AUTHOR: Al'tshul', L. M.; Karpman, V. I. 4/4/55 73

TITLE: Theory of nonlinear oscillations in a collisionless plasma 21.11.55 58

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 49, no. 2, 1965, 515-528 B

TOPIC TAGS: plasma oscillation, plasma charged particle, distribution function, particle distribution, turbulent plasma

ABSTRACT: A general perturbation theory is developed for nonlinear plasma oscillations without any restrictions imposed by assumptions regarding the randomness of the phases. The formal expansion is in powers of the oscillation field. The authors separate and sum, in the general series of the theory, sequences of secular terms to obtain the kinetic equations for weakly-nonideal systems. The summation of the principal sequences of the secular terms leads to quasilinear equations that describe the reaction of the oscillations on the distribution function of the plasma particles. The applicability of these equations is not limited by any conditions whatever with respect to the wave packet, and when the width is sufficiently large, the derived equations become identical with those of the quasilinear theory of a weakly turbulent plasma. In the opposite limiting case, equations are ob-

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ACCESSION NR: AP5021116

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tained for a monochromatic wave. The solution of these equations is obtained and describes the evolution of the plasma distribution function and the field of the monochromatic wave, with account taken of the reaction of the wave on the distribution function. "The authors thank R. Z. Sagdeev for stimulating discussions and A. A. Vedenov^{44, 55}, B. B. Kadomtsev^{44, 55}, and L. P. Pitsyevskiy^{44, 55} for a useful discussion of the results." Orig. art. has: 2 figures and 62 formulas.

ASSOCIATION: Novosibirskiy gosudarstvennyy universitet (Novosibirsk State University) 44, 55

SUBMITTED: 09Jan65

ENCL: 00

SUB CODE: ME

NR REF SOV: 013

OTHER: 007

Card 2/2 *ML*

L 14299-65 EEC(b)-2/EPA(w)-2/ENG(k)/EWT(1)/EEC(t)/EPA(sp)-2/T/EWA(m)-2
PI-4/PO-4/Pz-6/Pab-10 SSD(b)/AEDC(a)/BSD/AFWL/AEDC(b)/SSD/ASD(p)-3/AFETR/
RAEM(a)/ESD(gs)/ESD(r)/IJP(c) AT
ACCESSION NR: AP4047924 S/0056/64/047/004/1552/1574

AUTHORS: Al'tshul', L. M.; Karpman, V. I.

TITLE: Wave kinetics in a weakly turbulent plasma

SOURCE: Zhurnal eksperimental'noy i teoreticheskoy fiziki, v. 47,
no. 4, 1964, 1552-1574

TOPIC TAGS: kinetics, turbulent plasma, plasma wave propagation,
plasma decay, plasma oscillation, symmetry relation, nonlinear inter-
action, plasmon, photon interaction

ABSTRACT: A kinetic equation is derived for waves in a weakly tur-
bulent plasma in a form that leads to simple symmetry relations for
the different terms of the equation. This makes it possible to ob-
tain a set of symmetry relations for the kernel of the kinetic equa-
tion, and to derive certain conservation laws that facilitate the in-
vestigation of the wave kinetics in many cases. It is shown in par-

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ACCESSION NR: AP4047924

2

ticular that if wave "decays" are impossible, then under certain conditions, which are satisfied in the majority of cases of interest, the nonlinear interaction cannot lead to a change in the total number of waves. The kinetic equation for the waves and the symmetry relations are derived first in the case of potential oscillations. This is followed by examination of the conservation laws that follow from the symmetry relations, which are then shown to be valid, together with the conservation laws obtained for the potential oscillations, in the general case of oscillations of arbitrary polarization. The derivations are illustrated with examples dealing with the conservation laws in a nonlinear interaction between potential oscillations and a plasma with and without a magnetic field, and the interaction between plasmons and photons in a plasma without magnetic field. "The authors thank A. A. Galeev and R. Z. Sagdeev for fruitful discussions." Orig. art. has: 102 formulas.

ASSOCIATION: Novosibirskiy gosudarstvennyy universitet (Novosibirsk)

Card 2/3

L 14299-65

ACCESSION NR: AP4047924

State University)

SUBMITTED: 25Apr64

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NR REF SOV: 015

OTHER: 006

Card 3/3

AL'TSHUL', M.

We are improving the electric power system of Cherepovets. Zhil.-
kom.khos. 10 no.6:23-24 '60. (MIRA 13:7)

1. Glavnyy inzhener gorodskoy elektroseti, g. Cherepovets.
(Cherepovets--Electric power distribution)

AL'TSHUL' R.A., inzh.; GUL'DENBAL'K, A.F., kand.tekhn.nauk; SIVOKHO, A.A.,
izh.

Electric device of an automatic machine for welding two wire
leads with metallized resistor caps. Svar.proizv. no.1233-34
D '64. (MIRA 18:1)

1. Vsesoyuznyy nauchno-issledovatel'skiy institut elektrosvarochnogo
oborudovaniya.

ACC NR: AP7002991

(A)

SOURCE CODE: UR/0413/66/000/024/0069/0090

INVENTORS: Al'tshul', S. D.; Afinogenov, L. P.; Buyanov, B. B.; Volkov, A. F.; Gil'man, G. I.; Domanitskiy, S. M.; Pavlov, Ye. N.; Rog, G. V.; Trapeznikov, V. A.

ORG: none

TITLE: Controlling logic machine. Class 42, No. 189629

SOURCE: Izobreteniya, promyshlennyye obraztsy, tovarnyye znaki, no. 24, 1966, 89-90

TOPIC TAGS: logic circuit, computer logic

ABSTRACT: This Author Certificate presents a controlling logic machine containing input and output devices, a storage device, a control device, a logic device consisting of "NOT", "AND", and "OR" circuits, input logic units, triggers, and delay lines (see Fig. 1). To achieve group processing of information between the elements

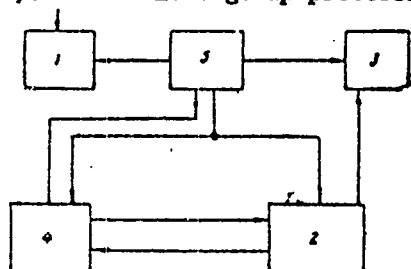


Fig. 1. 1 - input device;
2 - logic device; 3 - output
device; 4 - storage device;
5 - control device

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UDC: 681.142

ACC NR: AP7002991

of the selected group for reduction of the computation program, the outputs of the input logic units are connected to "OR" circuits. The output of the first "OR" circuit is connected through a first gate (also connected to the first output of the control device) to the input of the result storage trigger. The output of the second "OR" circuit is connected through a second gate (also connected to the second output of the control device) to the input of the result storage trigger, through an inverter and third gate to the input of the result storage trigger, and through a fourth gate and through a delay line and fifth gate to the input of the result storage register. The second inputs of the third, fourth, and fifth gates are connected respectively to the third output of the control device, to the output of the result storage trigger, and to the fourth output of the control device. The second input of the result storage trigger is connected to the fifth output of the control device. The output of the result storage trigger is connected through a sixth gate (whose second input is connected to the sixth output of the control device) to the result storage register and through a seventh gate (whose other input is connected to the controlling input of the input logic unit) to the other input of the input logic unit. Orig. art. has: 1 diagram.

SUB CODE: 09/

SUBM DATE: 11Feb65

Card 2/2

AL'TSHUL', S.D., inzh.; GIL'MAN, G.I., inzh.; PEN'KINA, T.V., inzh.

Algorithm for the calculation of engineering and economic
indices of a 300 Mw. block. Energ. i elektrotekh. prom.
no.4:6-8 O-D '65. (MIRA 19:1)

AL'TSHULER, A.; SHAPIRO, R. (Baku)

"Mystery" of inventions. IUn.tekh. 3 no.12:37-42 D '58.
(MIRA 12:1)

(Inventions)

USSR/Chemical Technology - Chemical Products and Their I-8
Application. Treatment of Natural Gases and Petroleum.
Motor and Jet Fuels. Lubricants.

Abs Jour : Ref Zhur - Khimiya, No 1, 1958, 2565.

Author : Gol'shteyn, D. I., Shnayder, G. S., Osipov, L. N., Cherenkov,
A. A., Al'tshuler, A. G., Ryzhkova, Ye. M., Zhadanovskiy, N. B.

Inst : -

Title : Hydro-Purification of Sulfur-Containing Petroleum Products
in an Industrial Unit.

Orig Pub : Khimiya i tekhnol. topliv i masel, 1957, No 6, 36-41

Abstract : Presentation of data on hydro-purification, in an indus-
trial unit, over an Al-Co-Mo catalyst, of a direct distil-
late obtained from a mixture of sulfur-containing petro-
leum varieties (SP), light gas oil of catalytic cracking
200-500° fraction (LG) and their mixture (M) at a 1:1
ratio. Temperature of hydro-purification 380-395°, pres-
sure 40 atmospheres gauge pressure. As a result the

S-content was lowered from 0.97-0.92 to 0.03-0.05% in the case of SP, from 1.26 to 0.06% in the case of LG, and from 1.05 to 0.05% in the case of M. Hydro-purification ensures production of good diesel fuel. Total expenditure of H₂ amounted to 0.38% by weight with SP and 0.71% by weight with LG. During hydro-purification 0.3% gasolines are formed. After 8000 hours of operation the catalyst had not lost its activity. The catalyst is readily regenerated. Corrosion of equipment by action of H₂S and H₂ is noted.

ALTSHULER, A.G.

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KISAKOV, M.Y., GOLDSHTEYN, D.L., OUSENKOVA, YE.A., ALFINOVA, E.A.,
BOROVAYA, M.S., PUCHKOV, M.O., KAZANSKIY, V.L., BADIYSHTOVA, K.M.,
ZOGACHEVA, I.M., CHESTOKOV, A.A., DENISENKO, K.K., ALTSHULER, A.G.,
GERASIMENKO, N.M., YASTREBOVA, O.I., ZHADANOVSKIY, N.B.

Production of High-grade petroleum oils and waxes by hydrogenation.

Report to be submitted for the Sixth World Petroleum Congress,
Frankfurt, 16-26 June 63

AL'TSHULER, A.N.; RYVKIN, G.M.; CHILIKOV, V.T.

Automatic control of the dimensional adjustment and automatic
exchange of cutting tools in cutting internal screw threads.

Stan.i instr. 33 no.11:22-26 N '62.

(MIRA 15:11)

(Screw cutting)

(Automatic control)

SUBJECT		AUTHOR		TITLE		SOURCE		DATE		REMARKS																									
BUTCHER, A.				A rapid and accurate method for the determination of fat in ice.		H. S. Curevich and A. S. Al'shuker. - Lab. Prakt. (U. S. S. R.), Sammelband 1938, 73-4 (Pub. 1939); Chem. Zentr. 1940, I, 3722. - About 30-40 cc. of hot water and 10-15 drops of H ₂ SO ₄ (d. 1.84) are added to 10 g. of the ice in a separatory funnel and the mixt. is shaken 5-10 min. After it has cooled to room temp. 40-50 cc. of ether is added, the mixt. is again shaken and allowed to stand 30 min. The ether layer is sep'd. and the extr. is repeated with 5-10 cc. ether 2-3 times. The combined ether exts. are evapd. and the residue is weighed. Fat can be det'd. in curds by the same method with a 5 g. sample and larger amts. of H ₂ SO ₄ to increase the sp. gr. of the liquid.		M. G. Moore		12																									
ASB-SLA METALLURGICAL LITERATURE CLASSIFICATION																																			
<table border="1"> <tr> <td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td> </tr> <tr> <td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td> </tr> </table>												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. AL'TSHULER, A.YA.
2. USSR (600)
4. Concrete, Reinforced
7. Some problems of using reinforced concrete with supporting reinforcement frames, Stroitel'stvo no. 1, 1953.

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

AL'TSHULER, A.Ya., inzhener; BYKHOVSKIY, Z.M., inzhener.

Deformed metal joints for waterproof underground construction.
Bul. stroi. tekhn. 10 no.4:25-27 F '53. (MLRA 6:12)

1. Khar'kovskoye otdeleniye Promstroyproyeka.
(Framing (Building))

AL'TSHULER, A.Ya., inzhener.

New standard construction of hopper trestles for metallurgical plants. Stroi.
prom. 31 no.10:18-22 0 '53. (MIRA 6:11)

(Trestles) (Metallurgical plants)

AL'TSHULER, A. Ya., inzhener

~~SECRET~~
Precast elements for reinforced concrete coal retorts. Stroi.
prom. 33 no. 7:13-19 J1 '55. (MIRA 8:9)
(Coke industry) (Precast concrete construction)

AL'TSHULER, A.Ya., inzhener

Precast construction of reinforced concrete bunker trestles. Stroi.
prom.33 no.8:12-17 Ag'55. (MLRA 8:11)
(Trestles) (Precast concrete construction)

AL'TSHULMR, A.Ya., inzh.

Using the efficient combination of precast and monolithic reinforced
concrete in building some special structures. Stroit. prom. 36 no.6:
19-22 Je '58. (MIRA 11:6)

(Precast concrete construction)

AL'TSHULER, A.Ye.

Raw material sources for petroleum chemicals industries.
Neftianik 6 no.11:13-14 N '61. (MIRA 14:12)
(Petroleum chemicals)

AL. TSHULER, A. YE.

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SEE ILC

PETROLEUM

MUTSHLER, D. A.

"Experimental Investigation of the Work of a Round Reinforced-Concrete Disc in a Temperature Drop Along the Radius." Sand Tech Sci, Central Sci Res Inst of Industrial Structures (TsNIPS), Moscow, 1953. Dissertation (Informativnyy Zhurnal--Mekhanika Moscow, Feb 54.)

sp: SSI 104, 10 Aug 1964

AL'TSHULER, B.A.

NEMIROVSKIY, Ya.M., kandidat tekhnicheskikh nauk; AL'TSHULER, B.A., inzhener.

Investigation of the performance of the refractory-material in the foundation and bottom of blast-furnaces. Stroi.prom. 31 no.6:26-29 Ja '53.

(MLRA 6:7;

(Refractory materials) (Blast-furnaces)

AL'TSHULER, B.A.

MURASHEV, V.I., professor, doktor tekhnicheskikh nauk; AL'TSHULER, B.A.,
kandidat tekhnicheskikh nauk.

Results of the conference on problems of deformation calculations in
bent reinforced concrete elements. Stroi.prom. 33 no.2:46 P '55.
(Reinforced concrete—Congresses) (MIRA 8:4)

SOV/137-59-1-77

Translation from: Referativnyy zhurnal. Metallurgiya, 1959, Nr 1, p 10 (USSR)

AUTHOR: Al'tshuler, B. A.

TITLE: Fundamental Principles in the Design of Furnaces of Refractory Reinforced Concrete (Osnovnyye printsipy proyektirovaniya pechey iz zharoupornogo zhelezobetona)

PERIODICAL: V sb.: Materialy Soveshchaniya po vopr. raboty pechey tsvein. metallurgii i razvitiya pirometallurg. protsessov. Moscow, 1957, pp 487-498

ABSTRACT: Industrialization of furnace construction is impossible without using refractory concrete and reinforced concrete. The author lists the specific properties related to the action of elevated temperatures, which should be taken into account when designing refractory concrete structures, and the physico-mechanical and elastic-plastic characteristics of concrete and modes of its deformation upon heating. A description, based on the experience of industrial application, is given of design solutions for some furnaces of refractory reinforced concrete.

Card 1/1

Yu. O.

AL'TSHULER, B.A.; SALMANOV, G.D.; SOKOL'SKIY, A.D.; KARASEV, P.P.

Use of refractory concrete for lining cars and tunnel annealing
lehrs. Ogneupory '22 no.7:326-329 '57. (MLRA 10:8)
(Refractory materials) (Concrete)

112 347644A, 40.11
AL'TSHULER, B.A.; SALMANOV, G.D.; SOKOL'SKIY, A.D.; KARASEV, P.P.

Use of heat-resistant concrete for the construction of electric
(vacuum) bell furnaces for annealing. Ogneupory 22 no.9:425-429
'57. (MIRA 10:11)

1. Nauchno-issledovatel'skiy institut Metallurgkhimistroya i
Sverdlovskiy filial Vsesoyuznogo nauchno-issledovatel'skogo instituta
promyshlennykh sooruzheniy.
(Electric furnaces) (Concrete)

MURASHEV, V.I. , doktor tekhn.nauk prof.; AL'TSHULER, B.A., kand.tekhn.nauk;
KOTIK, B.A., red.izd-va; BOROVNIKOV, N.K., tekhn.red.

[Designs for furnace units built of reinforced refractory concrete]
Konstruktsii teplovykh agregatov iz zhareupornogo zhelezobetona.
Moskva, Gos. izd-vo lit-ry po stroit. i arkhitekt. 1958. 76 p.
(Akademiia stroitel'stva i arkhitektury SSSR. Institut betona i
zhelezobetona, Perovo. Nauchnoe zaobshchenie, no.2)

1. Deystvitel' nyy chlen Akademii stroitel'stva i arkhitektury SSSR
(for Murashev).

(Reinforced concrete) (Furnaces--Construction)

AL'TSHULER, B.A., kand.tekhn.nauk

Performance of reinforced concrete round plates subjected to
cooling and secondary heating. Trudy NIIZHB no.6:117-135 '59.
(MIRA 12:10)

(Reinforced concrete--Testing)

AL'TSHULER, B.A., kand.techn.nauk; SAIMANOV, G.D., kand.tekhn.nauk;
TARASOVA, A.P., kand.tekhn.nauk

Experimental data on elastic plastic properties of refractory
concretes. Trudy NIIZHB no.6:136-156 '59. (MIRA 12:10)
(Concrete-Testing)

MILOVANCY, A.F., kand.tekhn.nauk; MILONOV, V.M., kand.tekhn.nauk; AL'TSHULER,
B.A., kand.tekhn.nauk

Vasilii Ivanovich Murashev. Izv.ASiA no.4:173-174 '59. (MIRA 13:6)
(Murashev, Vasilii Ivanovich, 1904-1959)

FEDOROV, M.N., inzh.; ALTSHULER, B.A., kand.tekhn.nauk

Fire-resistant reinforced concrete block facing for heating boilers.
Gor. khoz. Mosk. 35 no.2:44-45 F '61. (MIRA 14:2)

1. Nauchno-issledovatel'skiy institut santechnikiki Akademii stroitel'stva i arkhitektury (for Fedorov). 2. Nauchno-issledovatel'skiy institut betona i zhelezobetona Akademii stroitel'stva i arkhitektury (for Al'tshuler).

(MIRA 14:2)

NEKRASOV , K.D., doktor tekhn. nauk, prof., red.; AL'TSHULER, B.A.,
kand. tekhn. nauk, red.; MEL'NIKOV , F.I., kand. tekhn. nauk,
red.; MILOVANOV, A.F., kand. tekhn. nauk, red.; MILONOV, V.M.,
kand. tekhn. nauk, red.; SALMANOV, G.D., kand. tekhn. nauk,
red.; SASSA, V.S., kand. tekhn. nauk, red.; TARASOVA, A.P.,
kand. tekhn. nauk, red.; ROGINSKAYA, V.M., kand. tekhn. nauk,
red.; TESLENKO, M.K., kand. tekhn. nauk, red.; KUZNETSOVA,
M.N., red. izd-va; MOCHALINA, Z.S., tekhn. red.

[Fireproof concrete and reinforced concrete in construction]
Zharoupornye beton i zhelezobeton v stroitel'stve; trudy.
Moskva, Gos. izd-vo lit-ry po stroit., arkhitekt. i stroit.
materialam, 1962. 301 p. (MIRA 15:5)

1. Vsesoyuznoye soveshchaniye po voprosam issledovaniya, pro-
yektirovaniya, stroitel'stva i ekspluatatsii teplovykh agregat-
tov iz zharoupornykh betona i zhelezobetona, 1960. 2. Nauchno-
issledovatel'skiy institut betona i zhelezobetona Akademii
stroitel'stva i arkhitektury SSSR (for Nekrasov, Al'tshuler,
Mel'nikov, Milovanov, Milonov, Salmanov, Sassa, Tarasova).
(Furnaces) (Concrete construction)

AL'TSHULER, B.A., kand.tekhn.nauk

Calculations for prestressed concrete smokestacks. Prom.
stroil. 40 no.5:46-50 '62. (MIRA 15:5)

1. Nauchno-issledovatel'skiy institut betona i zhelezobetona
Akademi stroitel'stva i arkhitektury SSSR.
(Chimneys)
(Prestressed concrete construction)

S/141/63/006/001/014/018
E140/E135

AUTHORS: Al'tshul', B.A., and Rubanik, V.P.

TITLE: The interaction of nonlinear oscillatory systems in the presence of linear coupling forces with small delays

PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy, Radiofizika, v.6, no.1, 1963, 137-148

TEXT: Previous studies of nonlinear coupled oscillatory systems include the assumption of instantaneous coupling forces; current engineering practice requires the study of such systems in the presence of propagation delays in the coupling forces. The present study will consider nonlinear systems with linear coupling forces subject to small delays. In the interests of generality, it will be assumed that the parameters of the oscillatory systems and the magnitude and delay of the coupling force are slowly varying functions of time; the nonlinearities are assumed to be weak. The solution is obtained by successive approximations. Examples are given of the Van der Pol equation with inductive coupling, and the effects of delay on oscillator "pulling" are

Card 1/2

The interaction of nonlinear ...

S/141/63/006/001/014/018
E140/E135

investigated. There are 3 figures.

ASSOCIATION: Chernovitskiy gosudarstvennyy universitet
(Chernovitsy State University)

SUBMITTED: May 8, 1962

Card 2/2

AL'TSHULER, B.A., kand.tekhn.nauk; BAKAL, M.Sh., inzh.; DEKCHANOV, N.M.

Domical vaults made of fireproof reinforced concrete for ferro-
alloy furnaces. Prom.stroi. 40 no.11:39-42 '62. (MIRA 15:12)

1. Nauchno-issledovatel'skiy institut betona i shelenobetona
Akademii stroitel'stva i arkhitektury SSSR (for Al'tshuler).
2. Gosudarstvennyy institut po proyektirovaniyu predpriyatiy po
proizvodstvu stali (for Bakal). 3. Zaporozhskiy zavod ferrosplavov
(for Dekhanov).

(Metallurgical furnaces) (Refractory concrete)

AL'TSHULER, S. I.

Temriuk's method of determining the intensity of hidden jolts on railroad tracks.
Turf. prom., 25, no. 2, 1952

SO: MLRA. April 1952

ARKHANGEL'SKIY, Yuriy Aleksandrovich; AL'TSHULLER, B.N., red.;
DONSKAYA, G.D., tekhn. red.

[Training in labor safety] Obuchenie bezopasnym priemam truda.
Moskva, Nauchno-tekhn.izd-vo M-va avtomobil'nogo transp. i
shosseinykh dorog RSFSR, 1961. 46 p. (MIRA 15:1)
(Industrial safety)

AL'TSHULER, B.Ye.; GERTSBERG, B.A.

Experimental investigation of intraspecies competition. Dokl. AN
SSSR 60 no.5:875-878 My '48. (MLRA 10:8)

1. Saratovskiy gosudarstvennyy universitet. Predstavleno akademikom
I.I. Shmal'gausonom.
(Genetics)

14

AL'TSHULER, E. M.

CA

Construction of water works in the zone of eternal freezing. Z. N. Yakevlev and E. M. Al'tshuler. Tekhn. Akad. SSSR. Tekh. 18, No. 4, 1 (61041) - Peculiarities and construction details of a project farther north. B. Gutoff

ASR S.A. DETAIL ORGAL LITERATURE CLASSIFICATION

LEVASHEV, Yevgeniy Dmitriyevich, inzh.; ASTAF'YEV, Gavriil Kirikovich, inzh.;
AL'TSHULER, Grigoriy Aleksandrovich, ekonomist; YAKOVLEV, D.V.,
inzh., red.; VERINA, G.P., tekhn.red.

[Operation of electric railroads] Elektrotiagovoe khoziaistvo.
Moskva, Gos. transp. shel-dor. izd-vo, 1958. 386 p. (MIRA 12:2)
(Electric railroads--Management)

AL'TSHULER, Grigoriy Aleksandrovich; LAKHMAN, Boris Nusimovich; SIDOROVICH, Nelli Ivanovna; KOLTUNOV, G.S., retsenzent; OSHEMKOV, N.P., retsenzent; KOLTUNOVA, M.P., red.; BOBROVA, Ye.N., tekhn. red.

[Planning in railroad transportation] Planirovanie na zheleznodorozhnom transporte. Moskva, Vses. izdatel'sko-poligr. ob"edinenie M-va putei soobshchenia, 1961. 302 p. (MIRA 14:6)
(Railroads—Management)

BOYTSOV, Aleksandr Yevgen'yevich [deceased]; YAKOVLEV, G.S., kand.
tekhn. nauk; REBO, N.Yu., retsenzent; AL'TSHULER, G.A.,
retsenzent; LEYKINA, T.L., red.

[Electric equipment on ships] Sudovaya elektricheskaya ap-
paratura. Leningrad, Sudostroenie, 1964. 223 p.
(MIRA 17:11)

AL'TSHULER, Genrikh Saulovich; KORNEYEV, S.G., red.; POPOV, V.N.,
tekh. red.

[How to learn inventing]Kak nauchit'sia izobretat'. Tambov,
Tambovskoe knizhnoe izd-vo, 1961. 124 p. (MIRA 15:8)
(Inventions)

4024 AL'TSHULER, I. D.

Osuchchestvzheniye sotsialisticheskikh printsipov mazmeshcheniya
promyshlennosti na primere kazakhstana. Alma-Ata, 1954. 19 s. 21 sm.
(Kazakh. gos. un-t im. S. M. Kirova. Kafedra polit. ekonomii).
100 ekz. B. ts. (54-56921)

112

CA

ALTSCHULER, I. I.

Content of nicotinic acid in human milk. I. I. Altschuler
(State Med. Improvement Inst., Kazan). *Pediatrics*
1951, No. 5, 18-23.—Milk secreted for the 1st few days
after parturition contains av. 0.81 mg. % nicotinic acid.
Normal human milk contains av. 0.73 mg. %. Loading
with nicotinic acid may give increases of 100% or more
depending on the individual. Large amounts of liver in the
diet (200-400 g.) gives similar increases (75-100%); hence
the use of food rich in nicotinic acid is definitely beneficial
for the infant. After 2-3 months the content of nicotinic
acid in the milk begins to decline from the above-mentioned
max. level. No significant variations were found between
daytime and nighttime specimens. G. M. Kosolajoff

~~ALTSHULER~~ ~~70~~
AL'THULER, I. I.

"Nicotinic Acid Content in Human Milk." Cand Med Sci, Kazan'
State Medical Inst, Kazan', 1954. (RZhKhin, No 17, Sep 54)

SO: Sum 432, 29 Mar 55

AL'TSHULER, Isaak Saulovich; SAVITSKIY, F.I., red.; BELEN'KAYA, I.Ye.,
tekh. red.

[Collection of problems in projective geometry; textbook for students of correspondents courses in machine building and technology at institutes of higher education] Sbornik zadach po nachertatel'noi geometrii; uchebnoe posobie dlia studentov-zaochnikov mashinostroitel'nykh i tekhnologicheskikh spetsial'nostei vtuzov. Minsk, Izd-vo Belgosuniv. im. V.I.Lenina, 1960. 118 p. (MIRA 14:12)
(Geometry, Projective--Problems, excercises, etc.)

AL'TSHULER, Isaak Saulovich; TETERINA, L.N., red.; MORGUNOVA, G.M.,
tekh. red.

[Short course in descriptive geometry]Kratkii kurs nacherta-
tel'noi geometrii. Minsk, Izd-vo M-va vysshego, srednego spe-
tsial'nogo i professional'nogo obrazovaniia BSSR, 1962. 252 p.
(MIRA 16:2)

(Geometry, Descriptive)

AL'TSHULER, I. S.

Al'tshuler, I. S. "A technological economic comparison of drying plants for gasgenerating fuel," Sbornik nauch. trudov (Belorus. lesotekhn. in-t im. Kirova), Issue 7, 1948, p. 148-56.

So: U-3736, 21 May 53, (Letopis 'Zhurnal 'nykh Statey, N^o. 17, 1949).

AL'TSHULER, I.S.

SMORODINTSEV, A.A., AL'TSHULER, I.S., DUNAYEVSKIY, M.I., KISILEV, M.V., CHURILOV, A.V.

Prophylaxis of hemorrhagic Nephroso-Nephritis, Russian pamphlet (Etiologiya i Klinika
Gemorragicheskogo Nefrozo-Nefrita, pub by Medgiz, 1944.
CTS 30, 29 Apr 1952

AL'TSHULER, I.S.

[Calculation of drying rooms for wood] Raschet sushil'nykh kamer dlia
drevesiny. Moskva, Goslesbumizdat, 1953. 117 p. (MLRA 7:3)
(Lumber--Drying)

AL'TSHULER, I.S., kandidat tekhnicheskikh nauk.

Evenness of drying lumber in steam ejection drying chambers. Der.1 lesokhim.prom. 2 no.9:24-27 S '53. (MLJKA 6:8)

1. Belorusskiy lesotekhnicheskiiy institut imeni S.M.Kirova.
(Lumber--Drying)

AL'TSHULER, Isaak Saulovich, dots., kandi. tekhn. nauk; KOTOVA,
I.I., dokt. tekhn. nauk, prof., nachal. red.;
VEREVKINA, N.M., red.

[Problems in descriptive geometry] Zadachnik po nachertatel'noi geometrii. Izd.2., perer. i dop. Minsk, Vysshaya shkola, 1964. 98 p. (MIRA 18:1)

KOZIN, Yuriy Vladimirovich; MINEVICH, Abram Solomonovich; ~~AL'TSHULER,~~
~~Khatsa Khaimovich~~; KUNDIN, M.B., otv. red.; MIROSHNICHENKO,
V.D., red. izd-va; LOMILINA, L.N., tekhn. red.

[Economic effectiveness of automation in the mining industry]
Ekonomicheskaya effektivnost' avtomatizatsii v gornoj pro-
myshlennosti. Moskva, Gosgortekhnizdat, 1963. 251 p.
(MIRA 16:2)

(Mining engineering) (Automation)

AL'TSHULER, Kh.S.

New method of fastening drill bits. Der.prom. 10 no.6:22
Je '61. (MIRA 14:7)
(Drilling and boring machinery)

AL'TSHULER, Kh.S.

Positioning of blanks by means of a rod conveyer. Der.prom. 11
no.1:21-23 Ja '62. (MIRA 15:1)
(Assembly-line methods) (Woodwork)

AL'TSHULER, Kh.S.

Spot gluing with heating in the field of high-frequency current.
Der. prom. 12 no.3:7-9 Mr '63. (MIRA 16:5)
(Gluing)

1ST AND 2ND ENDERS																										PROCESSES AND PROPERTIES INDEX																									
74																										AL'TSHULER, L.																									
<p>*The Texture of Cold-Rolled Aluminum for Different Degrees of Deformation. (I. N. Nbdanov [with L. Al'tshuler] (<i>Zhurnal Tekhnicheskoy Fiziki</i> (<i>J. Tech. Physics</i>), 1933, 3, 1331-1347).—[In Russian.] Changes in the texture of rolled aluminum after deformation of 50-95% have been investigated, especially in the region 80-95%. Regular shifting of the maxima on the (200) ring in the Debye diagrams occurs, depending on the degree of rolling. The changes in the X-ray diagrams for (111) have been measured quantitatively and are explained as changes in the position of one of the stable orientations of the crystals in the texture of aluminum during deformation. The orientation about the [112] axis in the texture of rolled aluminum disappears on addition of impurities.—N. A.</p>																																																			
<p>ASME-SEA METALLURGICAL LITERATURE CLASSIFICATION</p>																																																			

4 AL'TAHULER, L.

1/B

The stability of serum colloids and the erythrocyte sedimentation reaction. L. Al'tahuler. *Klin. Med. (U. S. S. R.)* 15, 410-19(1937); *Chem. Zentr.* 1939, I, 4214. -- Comparative investigations are reported on the erythrocyte-sedimentation reaction and the reaction of protein pptn. proposed by A. and Sokolovskii (cf. C. A. 33, 6029). It was found that the former can give widely varying results for both healthy and ill individuals and therefore cannot be regarded as characteristic of various pathological conditions. The reaction of protein pptn. (which depends on the stability of the serum colloids), on the other hand varied in a regular manner which was directly related to the condition of the serum colloids.

ASU-36.6 METALLURGICAL LITERATURE CLASSIFICATION

YABLONIK, B.M., Head of the Department of the Ministry of the Interior,
Leningrad.

Notice of drops in the interior part of the building. Lav, vya.
Leningrad: 1948. 3 pages. 1-10.

(MIRA 18:10)

1. Byanokiy institut transportnoy mashinostroyeniya. Predstavlena
kafedray turbinostroyeniya.

AL'TSHULER, L.G., inzh.

Combined work of excavators and dump trucks. Biul. tekhn. inform.
po stroi. 5 no.7:26 JI '59. (MIRA 12:10)
(Excavating machinery) (Dump trucks)

Al'tshuler, L. I.

37-11-17/18

AUTHOR: Al'tshuler, L.I., Vints, B.D., Mal'tseva, K.A.,
Chuguryan, Z.S., Shlyakhtina, A.P.

TITLE: Magnetic Surveys Outside the USSR (Magnitnyye s'yemki
za predelami SSSR)

PERIODICAL: Trudy Nauchno-issledovatel'skogo instituta zemnogo
magnetizma, 1958, Nr 11(21) pp. 190-228 (USSR)

ABSTRACT: A greatly needed catalog of magnetic values for the
whole world resulted in an accumulation of 75,000 cards
(each for a separate observation) of magnetic data,
mostly declinations only. Europe leads with 289 sources
of observations, the U.S.A. has 150, Asia 49, Africa 102,
Australia 102, Oceania 26, and there are 72 miscellane-
ous sources. There are 690 references in the
bibliography.

AVAILABLE: Library of Congress
Card 1/1

D'YACHENKO, Vasilii Akimovich, prof.; AL'TSHULER, L.I., red.; ZUYEVA,
N.K., tekhn. red.

[Radioscopic diagnosis of calcifications and heterogenic ossifications] Rentgenodiagnostika obyazvestvlenii i geterogennykh okostenenii. Moskva, Gos. izd-vo med. lit-ry Medgiz, 1960. 225 p. (MIRA 14:5)
(CALCIFICATION) (OSSIFICATION) (BONES--RADIOGRAPHY)

FAYZULLIN, Midkhat Kharisovich, prof.; AL'TSHULER, L.I., red.; SENCHILO,
K.K., tekhn. red.

[X-ray diagnosis of diseases and injuries of the accessory nasal
sinuses] Rentgenodiagnostika zabolevanii i povreshdenii prida-
tochrykh polostei nosa. Moskva, Medgiz, 1961. 212 p.

(MIRA 15:7)

(NOSE, ACCESSORY SINUSES OF--RADIOGRAPHY)

LIKHTENSHEYN, Yevgeniy Arkad'yevich; AL'TSHULLER, L.I., red.;
SENCHILO, K.K., tekhn. red.

[X-ray diagnosis of malignant tumors of the nasal cavity,
Highmore sinuses and nasopharynx] Rentgenodiagnostika zlokache-
stvennykh opukholei polosti nosa, gaimorovykh pazukh i nosoglotki.
Moskva, Medgiz, 1962. 178 p. (MIRA 15:7)
(DIAGNOSIS, RADIOSCOPIC) (NOSE—CANCER)
(MAXILLARY SINUS—CANCER) (NASOPHARYNX—CANCER)

12-65 INT. SEC. (EEC(t) Po-4 Pt-4 ASD-10-1 BID/RAEM(c)/ESD(1) W

ACCESSION N^o: AP4043256

S/0203/64/004/004/0773/C780

AUTHOR: Al'tshuler, L. I.; Mal'tseva, K. A.; Chuguryan, Z. S.;
Shlyakhtins, A. P.

TITLE: World magnetic charts of the epoch 1960

SOURCE: Geomagnetizm i aeronomiya, v. 4, no. 4, 1964, 773-780

TOPIC TAGS: geomagnetism, geomagnetic field, magnetic survey, world magnetic chart

ABSTRACT: World magnetic charts of the epoch 1960, which are more complete and more reliable than those of epoch 1955, are presented with explanatory text. Observations of the schooner "Zarya" have improved the accuracy of the charts of the ocean areas. Antarctic observations have yielded new information on the distribution of magnetic elements in the vicinity of the south geographic pole, the south geomagnetic pole, and the pole of relative inaccessibility. The new charts provide considerably more information on regions in the Southern Hemisphere. In the southern part of the Indian Ocean, for example, the horizontal component has increased 0.01 oe, the vertical component

Card 1/2

L 10690-65

ACCESSION NR: AP4043256

diminished 0.02 oe, while the magnetic inclination increased 4°. On the Antarctic coast changes in the H value reach 0.02 oe, and those in the Z value reach 0.04 oe. The charts are useful in the solution of theoretical and practical problems in terrestrial magnetism for navigational purposes and can serve as a basis for comparison with data obtained by artificial earth satellites. Orig. art. has: 3 figures.

ASSOCIATION: Institut zemnogo magnetizma, ionosfery i rasprostraneniya radiovoln AN SSSR, Leningradskoye otdeleniye (Institute of Terrestrial Magnetism, Ionosphere, and Radio Wave Scattering, AN SSSR, Leningrad Division)

SUBMITTED: 0411ov63

ENGL: 00

SUB CODE: ES

NO REF SOV: 009

OTHER: 051

ATT PRESS: 3116

Card 2/2

AL'TSHULER, L. M.:

AL'TSHULER, L. M.: "Some problems of the temperature field and of heat losses from large quantities of un-insulated pipe." Min Higher Education USSR. Leningrad Polytechnic Inst imeni M. I. Kalinin. Leningrad, 1956. (DISSERTATION FOR THE DEGREE OF CANDIDATE IN TECHNICAL SCIENCE)

So.: Knizhnaya letopis' No 15, Moscow

Al'tshuler, L. M.

57-27-7-12/40

AUTHOR: Al'tshuler, L. M.

TITLE: The Temperature Gradient of Tubes in a Solid Mass (Temperaturnoye pole trub v massive)

PERIODICAL: Zhurnal Tekhnicheskoy Fiziki, 1957, Vol. 27, Nr 7, pp. 1495 - 1502 (USSR)

ABSTRACT: The attempt is made here to solve an unsteady problem with third type boundary-conditions at a constant tube-thickness and at a temperature of the surrounding air as any time-function. The solution of the nonsteady and of the steady problem at a constant surrounding air-temperature are given as special cases. All obtained data are by superposition of the heat currents generalized for the case of the inserting of n-tubes into the "massive". On the basis of the obtained results it is considered possible to estimate the generally known approximate formula by Forkhgeymer (which takes into account the additional layer) for a steady field and to determine a correction for this formula. This is described in the next paper. There are 1 table and 5 Slavic references.

Card 1/2

57-27-7-12/40

The Temperature Gradient of Tubes in a Solid Mass

SUBMITTED: October 24, 1956

AVAILABLE: Library of Congress

1. Boundary layer-Temperature factors-Mathematical analysis
2. Tubes-Boundary layer

Card 2/2

AL'TSHULER, L.M.

Zone of action of a noninsulated pipe in the ground. Zhur.tekh.
fiz. 29 no.2:224-231 F '59. (MIRA 12:4)

1. Leningradskiy sel'skokhozyaystvennyy institut, kafedra
vysshey matematiki.
(Heat--Transmission) (Heating pipes)

AL'TSHULER, L.M.

"Additional layer" method in Forchheimer problems. Zhur.tekh.
fiz. 29 no.2:232-238 F '59. (MIRA 12:4)

1. Leningradskiy sel'skokhozyaystvennyy institut, kafedra
vyshey matematiki.
(Heat--Transmission) (Heating pipes)