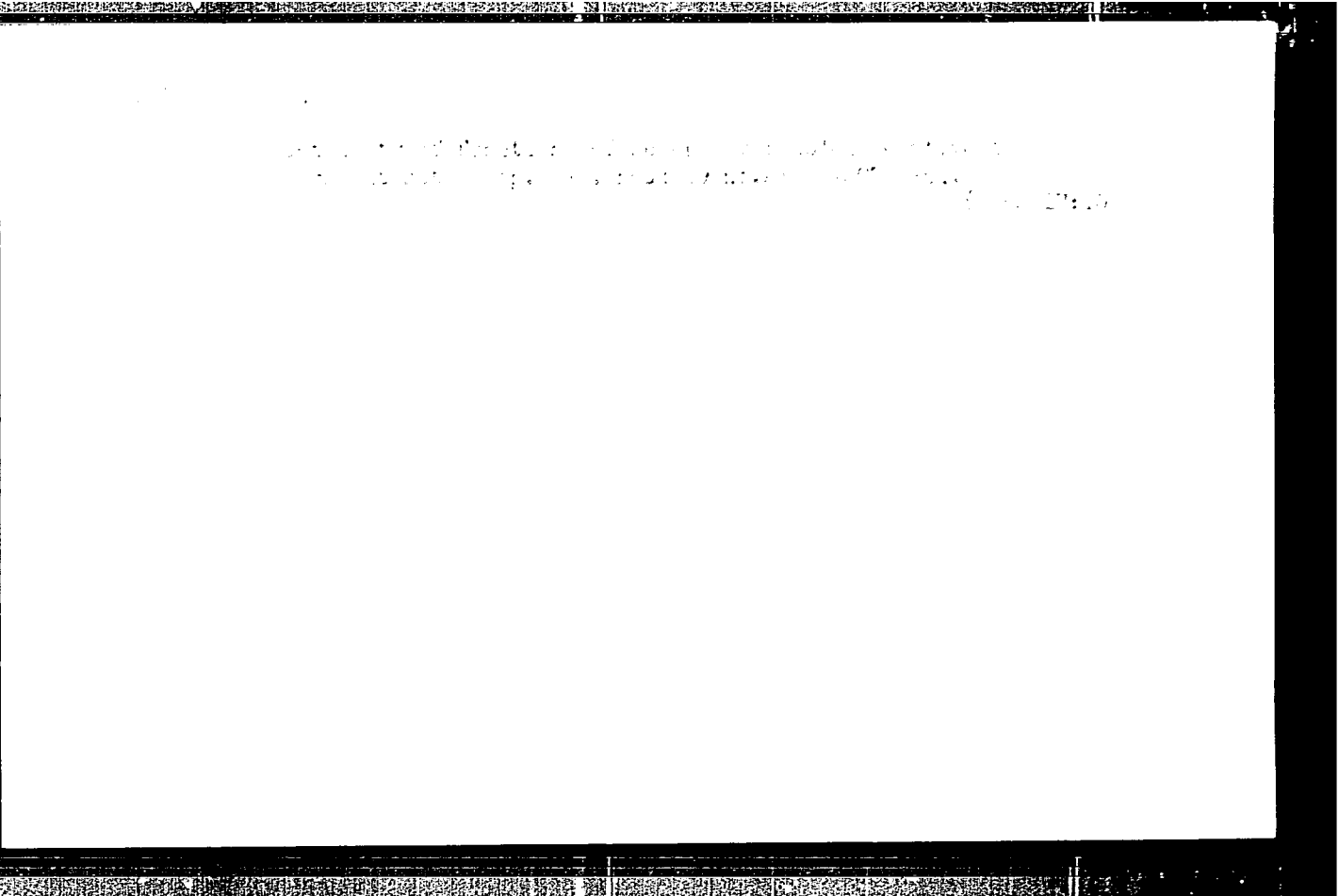


SINDALOVSKIY, G.Kh.

Congruent and asymptotic differentiability. Dokl. AN SSSR 150
no.5:995-997 Je '63. (MIRA 16:8)

1. Predstavleno akademikom A.N.Kolmogorovym.
(Aggregates)



SINDALOVSKIY, G.Kh.

Differentiability with respect to congruent sets. Izv. AN SSSR.
Ser.mat. 29 no.1:11-40 '65. (MIRA 18:4)

SINDALOVSKIY, G.Kh.

Equivalence of ordinary derivatives of numbers and derivatives of numbers relative to congruent sets of a certain class. Izv. AN SSSR. Ser. mat. 29 no.5:987-996 '65. (MIRA 18:10)

L 25640-66 EWT(d) IJP(c)

ACC NR: AP6016075

SOURCE CODE: UR/0038/65/029/005/0987/0996

AUTHOR: Sindalovskiy, G. Kh.

ORG: none

TITLE: Equivalence of ordinary ¹⁶derivatives and derivatives with respect to congruent sets of some class

SOURCE: AN SSSR. Izvestiya. Seriya matematicheskaya, v. 29, no. 5, 1965, 987-996

TOPIC TAGS: real function, function, mathematics

ABSTRACT: The upper and lower Q-derivatives of a real function $f(x)$ defined on an interval (a, b) at a point $x \in (a, b)$ are the upper and lower limits of the ratio $(f(x+h) - f(x))/h$ as $h \rightarrow 0$ while remaining in a set Q that has zero as its limit:

$$\overline{\lim}_{h \rightarrow 0, h \in Q} \frac{f(x+h) - f(x)}{h} = \overline{J}_Q(x), \quad \underline{J}_Q(x) = \underline{\lim}_{h \rightarrow 0, h \in Q} \frac{f(x+h) - f(x)}{h}.$$

The author finds necessary and sufficient conditions for Q-derivatives to be almost everywhere equal to the Dini (sic) derivatives or the ordinary two-sided derivatives. The problem is considered in the classes of both measurable and continuous functions, and necessary and sufficient conditions are found for finiteness of one Q-derivative to imply ordinary differentiability almost everywhere on a set of positive measure. Orig. art. has: 10 figures. [JPRS]

SUB CODE: 12 / SUBM DATE: 16Oct63 / ORIG REF: 005

UDC: 517.5

Card 1/1 P/

1. [Illegible]

2. [Illegible]

4. [Illegible]

9. Monthly Lists of Russian Acquisitions, Library of Congress, February 1961, Unclassified

S/191/60/000/004/007/015
B016/B058

AUTHORS: Pik, I. Sh., Sindarovskaya, A. S.

TITLE: Shrinkage of Plastics

PERIODICAL: Plasticheskiye massy, 1960, No. 4, pp. 30-34

TEXT: The authors report on their experiments aiming at the prevention of waste on account of excessive shrinkage of molded materials. They compare the results of their study from 1954 with those presented by A. D. Sokolov and A. N. Luknitskiy (Ref. 1); T. V. Trofimova and N. P. Radikova (Ref. 2); I. F. Kanavets and K. P. Sedova (Ref. 3). They state that the characteristic values obtained by these research workers for the effect of the molding temperature on shrinkage are in agreement. Contradictory results, however, were obtained for the influence of the specific pressure applied, its duration, and the heat treatment of the specimens. The purpose of the authors' study was: 1) to determine the actual and the calculated total shrinkage of voloknit, aminoplast, and of the initial molded materials, K-214-2 (K-214-2) and K-18-2 (K-18-2), which are widely used but have not been investigated so far; 2) to determine the influence of the most important conditions of molding (temperature, duration of pressure

Card 1/2

Shrinkage of Plastics

S/191/60/000/004/007/015
B016/B058

application, preheating by high-frequency current) on shrinkage. For this purpose the authors used three types of specimens: a) standard disc; b) standard block; c) a special bushing (height, 15 mm; outer diameter, 35 mm; inner diameter, 20 mm). Shrinkage was determined from the standards ГХП1-43 (GKhP1-43) and calculated from the formulas mentioned in this standard. The duration of pressure application was chosen from ГОСТ (GOST) or ТУ (TU). Shrinkage varies in the various directions. The authors recommend the following measures on the basis of their studies: 1) molding should be carried out at a minimum temperature in order to prevent waste owing to excessive shrinkage, but at a maximum preheating of this material in high-frequency current generators or electric heating chambers and at a predetermined maximum duration of pressure application. 2) For the design of products and molds the authors recommend to use the maximum and minimum values of actual shrinkage, which sets in with an increase of the molding temperature by 50°C for phenoplasts and by 35°C for aminoplasts, along with a reduction of the duration of pressure application to a minimum and with high-frequency preheating. O. I. Lebedeva participated in the experimental part of the study. There are 2 figures, 6 tables, and 3 Soviet references. ✓

Card 2/2

S/191/60/000/005/011/020
B004/B064

AUTHORS: Pik, I. Sh., Sindarovskaya, A. S.

TITLE: Dependence of Shrinkage of Thermosetting Plastics on the Pressing Direction

PERIODICAL: Plasticheskiye massy, 1960, No. 5, pp 36-39

TEXT: In the introduction the authors state that the shrinkage of plastics, which is of particular importance for the production of high-precision units, has hitherto been too little studied. The work of T. V. Trofimova and N. P. Radikova (Ref. 2) on these problems was checked at the authors' laboratory in 1954. In this connection, anisotropic shrinkage was also found. The present paper reports on the shrinkage of samples consisting of a hollow parallelepiped $100 \times 100 \times 50$ mm, and a cylinder of 50 mm in height and diameter on top of it. Three sides of the parallelepiped were 5 mm, the fourth 15 mm thick. The material used was plastic of the K-18-2 (K-18-2) type (produced by extrusion), of the K-214-2 (K-214-2) type, fiber plastic, and aminoplast. Samples were measured at different points in accordance

Card 1/2

Dependence of Shrinkage of Thermosetting
Plastics on the Pressing Direction

S/191/60/000/005/011/020
B004/B064

with standard ГХП-1-43 (GKhP-1-43), 16 to 24 hours after pressing. The following results were obtained: Shrinkage of samples changes with changing direction. Shrinkage in the direction of stamp motion is considerably higher than in perpendicular direction. Shrinkage perpendicular to the direction of motion is the same on all four walls, and is 0.15% lower in the parallelepiped than in the cylinder. In the cylinder, shrinkage along the external diameter is higher than along the internal diameter. There are 2 figures, 1 table, and 2 Soviet references. ✓

Card 2/2

S/191/63/000/002/008/019
B101/B186

AUTHORS:

Perepelkin, V. P., Erikhanov, I. M., Sindarovskaya,
A. S.

TITLE:

Intensification of the molding process of phenoplast products

PERIODICAL:

Plasticheskiye massy, no. 2, 1963, 22-26

TEXT: Stimulated by Western experience, the Karacharovsky zavod plastmass (Karacharovo Plastics Plant) made some preliminary tests to shorten the molding process of thermosetting resins by preheating in a superhigh-frequency generator. A 40 Mc/sec generator was built, power 4-6 kw, anodic voltage 4700 v, feeding by 380-v, three-phase alternating current. The change in fluidity and curing rate of K-18-2 (K-18-2), K-17-2 (K-17-2), and K-15-2 (K-15-2) plastics was investigated. Results: The fluidity was increased by 25% using the 40 Mc/sec generator. To reach maximum fluidity, heating to 150-155°C was necessary. The time of heating should not exceed 7-10 sec to prevent premature curing. Preheating accelerated the curing rate by 50%. An 80% shortening of the time that

Card 1/2

Intensification of the molding ...

8/191/63/000/002/008/019
B101/B186

the material was in the viscous-flow state enabled the molding time to be reduced and the molding temperature to be increased to 200°C. The considerable shortening of the viscous-flow state, however, entails closing of the press within 2-3 sec, so the existing presses had to be reconstructed. Another paper will describe the practical results of preheating. There are 6 figures and 2 tables. The English-language references are: British Plastics, 32, no. 6, 271-272 (1959); BRAMA Journal, 66, no. 4, 144-147 (1959); SPE Journal, 15, no. 7, 543-545 (1959).

Card 2/2

RACHKOVSKIY, S.Ya., doktor ekon. nauk; SINDAROVSKAYA, N.N., inzh.;
UL'YANOVA, Ye.T., inzh.

Economic determination of depreciation from loss and depletion
of Krivoy Rog Basin iron ores. Gor. zhur. no.8:12-17 Ag '58.
(MIRA 11:9)

1. Institut gornogo dela AN SSSR.
(Krivoy Rog--Mines and mineral resources)

SINDAROVSKIY, N. S.

USSR/Engineering
Fire Protection
Mines and Mining

Mar/Apr 47

"Fire Protection Measures in the Degt'yarka Mine," A. A. Gribin, Cand Tech Sci, N. S. Sindarovskiy, Engr, 7 pp

"Tsvetnye Metally" No 2

An account of characteristic fire conditions in the mine, and measures for combatting them by flooding. This method is considered unsatisfactory, and others are set forth.

PA 28T18

STNDAROVSKIY, N.S.; SHPITAL'NIKOV, A.G.

Self-propelled equipment is a decisive factor in a sharp upswing
in labor productivity and mining. Gor.zhur. no.4:3-10 Ap '62.
(MIRA 15:4)

1. Glavnyy inzh. Gosudarstvennogo instituta po proyektirovaniyu
predpriyatiy tsvetnoy metallurgii (for Sindarovskiy). 2. Glavnyy
ekonomist Gosudarstvennogo instituta po proyektirovaniyu
predpriyatiy tsvetnoy metallurgii (for Shpital'nikov).
(Mining engineering---Equipment and supplies)

SINDAROVSKIY, N. S.; SHPITAL'NIKOV, A. G., kand. ekon. nauk

Labor consumption in supporting operations in the mining industry should be curtailed. Gor. zhur. no.10:3-8 0 '62.
(MIRA 15:10)

1. Glavnyy inzh. Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy promyshlennosti tsvetnoy metallurgii (for Sindarovskiy).
2. Glavnyy ekonomist Gosudarstvennogo instituta po proyektirovaniyu predpriyatiy promyshlennosti tsvetnoy metallurgii (for Shpital'nikov).

(Mine management)

SINDAROVSKIY, N.S.; SHPITAL'NIKOV, A.G., kand. ekonom. nauk;
MUZAL'KOV, M.I.

Quality of nonferrous metal ores and the profitableness
of production (discussion of the article by B.F. Novozhilov).
Gor. zhur. no.10:17-22 0 '63. (MIRA 16:11)

1. Glavnyy inzh. Gosudarstvennogo instituta proyektirovaniya
predpriyatiy promyshlennosti tsvetnykh metallov (for
Sindarovskiy). 2. Glavnyy ekonomist Gosudarstvennogo
instituta proyektirovaniya predpriyatiy promyshlennosti
tsvetnykh metallov (for Shpital'nikov). 3. Glavnyy marksheyder
Sadonskogo rudoupravleniya (for Muzal'kov).

Sinking shafts by spring.

UKli 6 no.11:321-345 N 167.

SIEDLKA, Z.; HONZAR, J.; FEIT, J.

Histochemical study of the healing of injured dental pulp.
Cesk. stomat. 65 no.5:307-310 S '65.

I. II. stomatologicka klinika (prednosta prof. dr. Jos. Svejda,
DrSc.) a I. patologickoanatomicky ustav (prednosta prof. dr. Jar.
Svejda, DrSc.) lekarske fakulty University J.E. Purkyne v Brne.

SINDELAR, J., RNDr. CSc.; DRAHNY, S.

Porous claystones from the Emik deposit. Stavivo 42 no.7:
254-256 J1'64

1. Geologicky pruzkum National Enterprise, Prague.

CZECHOSLOVAKIA / Chemical Technology. Processing of H-22
Solid Fossil Fuels.

Abs Jour: Ref Zhur-Khimiya, No 23, 1958, 78969.

Author : Sindelar, J.

Inst : Not given.

Title : The Composition of the Mineral Portion of Coal.

Orig Pub: Casop. mineral. a geol., 1957, 2, No 4, 442-448.

Abstract: A review on the works concerning the mineral portion of coal. A list of minerals found therein is given. and the significance of its composition in regard to the chemical technological processing of coals is pointed out.

Card 1/1

33

SINDELAR, J.

SINDELAR, J. Breeding of forest trees from the point of view of the praxis maintained in
in our country. p. 473.

Vol. 29, No. 7/8, Aug. 1956.

SBORNÍK. RADA LESNÍČTÍ

AGRICULTURE

Praha, Czechoslovakia

So: East European Accession, Vol. 6, No. 2, Feb. 1957

44392

S/196/62/000/024/013/014
E194/E155

71190
AUTHOR: Sindelář, Jaroslav

TITLE: A device for stopping a.c. servo-mechanisms in the extreme positions

PERIODICAL: Referativnyy zhurnal, Elektrotehnika i energetika, no.24, 1962, 6, abstract 24, K 21 P. (Czech pat. cl. 21c, 46/02, 74 c, 7, no.101018, September 15, 1961)

TEXT: Unlike existing circuits, the patented circuit determines the required direction of rotation by a phase-sensitive a.c. relay instead of the usual polarised relay with phase discriminator. The control winding of the relay shunts the control winding of the two-phase servo-motor. The double-throw contact of this relay, acting through the end-stop switches, connects the brake circuit. The brake circuit is only connected if there is applied to the motor winding a voltage of such a phase as would cause the motor to rotate in the wrong direction. When the motor is reversed the brakes come off and the mechanism can operate. X

[Abstractor's note: Complete translation.]

Card 1/1

1968, Vol. 1, No. 1, p. 17.

Construction of computers for the control of mechanical systems
excited by sinusoidal oscillations. (Russian) VINITI no. 1102-68.

SINDELAK, Jaroslav, inz.

Control circuit with discontinuous variable damping.
Automatizace 6 no.5:111-115 My '63.

1. Ustav teorie informace a automatizace, Ceskoslovenska
akademie ved, Praha.

SINDELAR, Jaroslav, inz.

Calculation of the integration and derivation member of a servomechanism. Automatizace 7 no. 6:149-152 Je '64.

1. Institute of Information Theory and Automation,
Czechoslovak Academy of Sciences, Prague.

SINDELAR, Jaroslav, inz.

Control circuits with noncontinuous variable amplification.
Automatizace 7 no.11:288-291 N '64.

1. Institute of Information Theory and Automation of the
Czechoslovak Academy of Sciences, Prague.

L 61655-65 EWP(1) Po-1/Pq-4/Pg-4/Pk-4/Pl-4 IJP(c) BC
ACCESSION NR: AP5014286 CZ/0088/65/001/003/0217/0235

44
43
0

AUTHOR: Sindelar, J. (Engineer)

TITLE: Conditions for switching additional damping into a control system with second order static plant

SOURCE: Kybernetika, v. 1, no. 3, 1965, 217-235

TOPIC TAGS: automatic control system,⁹ additional damping, static plant, regulatory circuit, control system stability

ABSTRACT: After describing a regulatory circuit which shows satisfactory deviation without additional damping, the effects of switching in either moderate or high damping are discussed and computations are given based upon the regulator constant, integration constants, and response time in order to determine the excess damping value and instant of maximum damping. These are required in order to derive the point at which the damping effect becomes stable, and also a formula for the regulatory deviation at maximum damping. Another series of formulas expresses the course of deviation from switch-in to the cessation of response, which indicates the time constant. The course of negative deviation toward zero

Card 1/2

L 61655-65

ACCESSION NR: AP5014286

is then described and a similar reverse expression written. From these two formulas, expressions are derived for conditions which require moderate damping and for high damping in order to maintain stability in the regulatory system. Computing response to the input step is then discussed, including speed of response (which must be as rapid as possible), method of computing the instant when damping should be switched in, and the initial response to the input step as illustrated by graphs. A table gives expressions for the instant of contact based on damping coefficients and the course of regulatory deviations. A graph shows the course of response to the input step for both moderate and high damping. Orig. art. has: 44 formulas, 7 figures and 1 table.

ASSOCIATION: Ustav teorie informace a automatizace CSAV, Prague (Institute for the Theory of Information and Automation, CSAV)

SUBMITTED: 13Nov64

ENCL: 00

SUB CODE: IE, DP

NO REF SOV: 000

OTHER: 002

Card 2/2 *jlb*

ACC NR: L 21152-66 EMP(v)/EMP(k)/EMP(h)/EMP(l) SOURCE CODE: CZ/0080/65/000/004/0085/0087
AP6010955

AUTHOR: Sindelar, Jaroslav (Engineer; Candidate of sciences)

ORG: Institute of Information Theory and Automation, CSAV (Ustav teorie informace a automatizace CSAV)

TITLE: Influence of commutation of P and PI regulators on the dynamic properties of the control system. I. Control circuit with an astatic second order component

SOURCE: Automatizace, no. 4, 1965, 85-87

TOPIC TAGS: commutator, control circuit, automatic regulator, automatic control system

ABSTRACT: The article deals with a type of control circuits with a variable structure. The P and PI regulators are commutated to improve the dynamic properties during a jump in speed and in the position of control. The article presents the conditions for the commutation and formulas for determination of the moment of commutation and calculation of the course of the response. Orig. art. has: 3 figures and 22 formulas. [JPRS]

SUB CODE: 09, 13 / SUBM DATE: none / ORIG REF: 002

Card 1/1

UIC: 62-55

L 21586-66

ACC NR: AP6010952

SOURCE CODE: CZ/0014/65/000/004/0129/0131

AUTHOR: Sindelar, Jaroslav (Engineer)

29
B

ORG: none

TITLE: AC-polarized relay and its use

SOURCE: Sdelovaci technika, no. 4, 1965, 129-131

TOPIC TAGS: electric relay, alternating current, electronic rectifier, direct current

ABSTRACT: The article gives an account of the principle of an AC-polarized relay for numerous applications in communications engineering. Its main advantage is that it is not necessary to use a phase-sensitive rectifier as would be the case for a DC-polarized relay in such applications. Orig. art. has: 11 figures. [JPRS]

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 002

Card 1/1

37120-66

ACC NR: AP6030361

SOURCE CODE: CZ/0012/66/000/002/012/0136

AUTHOR: Sindelar, Jaroslav--Shinde-larzh, Y. (Engineer; Candidate of sciences)

34
B

ORG: Institute of Information Theory and Automation, CSAV, Prague (Ustav teorie informace a automatizace CSAV)

TITLE: Stabilization of DC voltage with a relay servomechanism

SOURCE: Elektrotechnicky casopis, no. 2, 1966, 123-136

TOPIC TAGS: servomechanism, electric relay, direct current

ABSTRACT: The paper deals with a voltage stabilizer with a variable transformation ratio of the transformer, varied by means of a relay servomechanism. The advantages of this principle are described, the reasons are given for its application, mainly high efficiency, the principle of the device is explained and a description is given of the block diagram of the stabilizer. This paper was presented by Z. Trnka. Orig. art. has: 13 figures and 30 formulas. [Based on author's Eng. abst.] [JPRS: 36,644]

SUB CODE: 09 / SUBM DATE: 16Dec65 / ORIG REF: 005 / OTH REF: 002

no
Card 1/1

0914 1084

SINDELAR, Josef, inz., CSc.

Planning the total costs in automobile transportation. Doprava
no. 1:27-31 '64.

SINDJAN, Jirka and SKALICKA, Anna

Variation of the essential oil content in the organs of
European larch (*Larix decidua* Mill.). Les cas 11 no.1:45-
60 Ja '65.

1. Research Institute of Forestry and Gamekeeping, Zbraslav-
Strnady. Submitted December 4, 1963.

SINDELAR, K., inz.

"The industrial cooling tower" by K.K. McKelvey and M. Erpoko.
Reviewed by K. Sindelar. Strojirenstvi 11 no. 12: 955 D '61.

1. The first part of the document

discusses the importance of the
information and the need for
its collection and analysis.

SINDELAR, K.: STYBLO, J., dr.

Raising the workers' qualification in the stone-cutting industry
is the foremost task. Stavivo 40 no.12:423-424 D '62.

1. Ustredni vybor odborove skupiny, Praha.

SEMIKHA, ANGI.

Komplexní čísla a Moivreova věta. Praha, Nakl. Československé akademie věd., 1955
117 p. (Československá akademie věd. Vědy vsar. Sekce matematicko-fyzikální, sv. 8)
(Complex numbers and Moivre's theorem. 1st. ed. diags., footnotes, index)

30: Monthly Index of East European Accessions (MIEA) 13, Vol. 7, No.1, Jan 1950

SINDLER, K.

Analytic proof of Bourgin's generalized theorem. p. 29.

NOVINY ZAHNANICNI LITERATURY. PŘIRODNI VĚDY, MATEMATIKA. KNIHY. (Státní knihovna ČSR. Universitní knihovna v Brně) Praha, Czechoslovakia. no. 1, 1958.

Monthly List of East European Accessions (EEAI) LI. Vol. 9, no. 1, January 1960.

Uncl.

SINELAR, K.

"Cenic sections."

POKROKY MATEMATIKY, FYSIKY A ASTRONOMIE, Praha, Czechoslovakia, Vol. 4, no. 2,
1959

Monthly List of EAST EUROPEAN ACCESSIONS INDEX (EEAI), LC, Vol. 8, no. 7,
July, 1959

Unclassified

SINDELAR, Karel

Take better care of workers on large constructions. Inz
stavby 10 no.11:401-402 N '62.

1. odborovy svaz zamestnancu ve stavebnim prumyslu, Praha.

SINDELAR, Karel

Generalization of plane points. Cas pro pes mat 88 ro.1:84-105
'63.

1. Vysoka skola dopravni, Zilina, Marx-Engelse 25.

10/1/68

Standing pile of books in the library. Mechanisms
must be...

SINDELAR, Karel

New technical features and improvement suggestions in the building industry of the German Democratic Republic. Pozstavby 12 no. 1:48-50 '64.

SINIFLAN, Vera

Let us work for real reduction of accidents in the building industry.
In a study 12. 1974. 13-24. 30. 1974.

1. Central Council of Trade Unions, Prague.

FABIAN, J.; SINDELAR, L.

Determination of residual water in freeze-dried bacterial cultures
by Fischer's method. Folia microbiol. 7 no.4:247-252 '62.

1. Department of Collections of Microorganisms, Institute of Microbiology,
Czechoslovak Academy of Sciences, Prague 6.

(BACTERIA - culture) (BACTERIOLOGICAL TECHNIQUES)
(WATER)

SINDELAR, M. inz.

Some shortcomings in the preparation of investments and in putting plants into operation. Stavivo 42 no. 2:42-44 F'64

1. Keramoprojekt, Brno.

Sindelar, R.

Drafting the plan of heat and coal consumption in paper mills and
cellulose factories and the evaluation of its indicators. p. 9.
PAPIR A CELJLOSA. (Ministerstvo lesu a drevarskeho prumyslu) Praha.
Vol. 11, no. 1, Jan. 1956.

Source: EEAL LC Vol. 5, No. 10 Oct. 1956

STENELAR, R.

Power production standards and their practical application in industrial enterprises.

P. 541. ('ENERGETIKA.) (Praha, Czechoslovakia) Vol. 7, No. 10, Oct. 1957

SC: Monthly Index of East European Accession (EEAI) LC: Vol. 7, No. 5, May 1958

ACC NR: AP7003773

SOURCE CODE: CZ/0032/66/016/012/0891/0896

AUTHOR: Sindelar, R. (Engineer)

ORG: Skoda, Branch factory, Plzen (SKODA, oborovy podnik)

TITLE: Method of controlling internal combustion turbines in a double-shaft arrangement

SOURCE: Strojirenstvi, v. 16, no. 12, 1966, 891-896

TOPIC TAGS: gas turbine, internal combustion engine component, engine control system, *internal combustion engine, twin shaft turbine*

ABSTRACT: The article discusses the underlying principles, design and characteristics of a control system developed at the Skoda Works for a double-shaft combustion turbine for driving the alternator. It is an originally patented design with several advantages over other control methods. The system was tested under actual operating conditions, and was found to be accurate and reliable. It was tested with 2.5 Mw and 6 Mw electric locomotives [Cz patent no. 110025, 15 Feb. 1964]. Orig. art. has: 9 figures and 4 formulas. [Based on author's abstract] [KS]

Card 1/1 SUB CODE: 21/SUBM DATE: none/ORIG REF: 004/

SINDELAR, VACLAV.

Měření délek ve výrobě; základní měřidla, měřicí přístroje mechanické, optické, pneumatické... [Vyd. 1.] Praha, Prace, Vydavatelství ROH, 1952. 230 p.
(Technické příručky Prace, sv. 102) [Measurements of lengths in production: basic measuring tools; mechanical, optical pneumatic and electric measuring instruments; the measuring of diameters; indirect measurement; measuring machines; rationalization and automatization of measurements. illus., bibl.]

SO: Monthly List of East European Acquisitions. Vol.3, No.3, Library of Congress, March 1954,
Uncl.

Category : CZECHOSLOVAKIA/General Problems - Problems of Teaching

A-3

Abs Jour : Ref Zhur - Fizika, No 2, 1957, No 2797

Author : Sindelar, Vaclav

Title : On the Velocity and Energy Spectra Produced in a Row of Spheres
Upon Impact.

Orig Pub : Ceskosl. casop. fys., 1956, 6, No 3, 354-358

Abstract : Calculation of the velocity and energy spectra of a row of spheres of equal mass stricken by a large sphere. The simpler cases, when the mass of the stricken sphere is less than or equal to the masses, of the spheres in the row are also considered. It is shown that the calculations can be used for the investigation of collisions of elementary particles.

Card : 1/1

SINDELAR, Vaclav

Legal system of units in Czechoslovakia. Chem prum 12
no.9:502-503 S '62.

1. Urad pro normalizaci a mereni.

BC

A-1

Macro- and micro-reaction of iron with thioglycolic acid. J. V. DUNSKY and V. SINDRIAN (Mikrochim. Acta, 1968, 3, 286-288).--When air is excluded, Fe²⁺ ions give no colour reaction with

S₂CH₂CO₂H (I), even after addition of aq. NH₃. When air is admitted, an intense violet colour is produced. Fe³⁺ ions produce first a blue colour due to the formation of Fe(S₂CH₂CO₂H)₃, and then, in presence of NH₃, the violet-red colour due to Fe(S₂CH₂CO₂NH₂)₃. Excess of FeCl₃ gives not Fe(OH)₃ but the ochre-brown aquo-salt of Fe^{III} ferrithioglycolate. For Fe²⁺, the limiting sensitivity is 0.13 µg., and for (I), 60 µg. L. S. T.

ASB SIA METALLURGICAL LITERATURE CLASSIFICATION

PROCESSES AND PROPERTIES UNIT

A-1

BC

Microdetermination of thiocyanotic acid.
 J. V. Dumas and V. Kuznetsov (Mikrochem., 1938, 26, 264-267).—The dark violet ppt. from $\text{NCS-CH}_2\text{-CO}_2\text{Na}$ and eq. CuCl_2 is a $\text{Cu}^I\text{-Cu}^{II}$ derivative, $\text{Cu}^I\text{-CH}_2\text{-CO}_2\text{-Cu}^{II}\text{-OH}\cdot\text{H}_2\text{O}$, of $\text{SH-CH}_2\text{-CO}_2\text{H}$, and in the absence of the latter may be used for the detection or determination of $\text{NCS-CH}_2\text{-CO}_2\text{H}$. With OsO_4 , the salt $(\text{S-CH}_2\text{-CO}_2)_2\text{Os}$ is obtained. E. W. W.

ASS. S. I. A. METALLURGICAL LITERATURE CLASSIFICATION

SERIALS UNIT

SERIALS UNIT

BC

A-1

Systematic synthesis of atomic groups in analytical chemistry. III. Reactions of the silver affinity group, $\{C-NH-C\}$. J. V. DUBSKÝ, V. BÍDEL, and V. ČERNÁK (Mikrochem., 1938, 25, 124-132).—The pptn. and colours of certain metal salts of rhodanine (Ag, Cu, Hg, Pb), 2:4-dihydroxy-thiazole (Ag, Cu, Hg), 2-thiohydantoin (Ag, Hg), 2-thiohydantoin (Ag), 5-p-dimethylaminoanilino-2-thiohydantoin (Ag), rhodanine-red (Ag), 5-p-dimethylaminoanilo-2-thiohydantoin (I), 5-p-dimethylamino-2-thiohydantoin (Ag, Pb, Hg, Cu, Cd, Mn, Co, Ni, Zn), and 5-p-dimethylaminobenzylidene-2-thiohydantoin (II) (Ag, Pb, Hg, Cu, Cd, Co, Mn, Mg) are described. In many cases, analyses of the compounds are given. (I) gives with $AgNO_3$ a violet ppt. (limiting sensitivity 1.2 μg . of Ag), with Hg salts a blue ppt. (0.2 μg . of Hg), and with Cu salts a very dark violet ppt. (0.15 μg . of Cu). Zn salts react only after 12 hr. With (II) in ammoniacal solution Ag⁺ gives an orange-red ppt. (0.9 μg . of Ag), and Hg⁺⁺ a carmine-red ppt. (0.2 μg . of Hg). Only the group $\{C-NH-C\}$ can be regarded as the active Ag affinity group. L. S. T.

AND SEA METALLURGICAL LITERATURE CLASSIFICATION

1.82

Organic Reagents in Analytical Chemistry (Aluminium, Zinc, Chromium)
J. A. Dubsky and V. Sudyat (*Chem. Abstr.*, 1949, 18, 34-39; *Chem. Zvest.*
1949, 111, (11), 1183).-- A compilation of the organic reagents recommended
in the literature for the detection or determination of Al, Zn, and Cr, with
particulars of the reactions and of the methods of analysis.

SINDELAR, V.

Method for determining results of measurements with asymmetric distribution of errors. p. 173.
STROJNICKY SBORNIK, Prague, No. 8, 1954.

SO: Monthly List of East European Accessions, (EEAL), LC, Vol. 5, No. 6,
June 1956, Uncl.

SINDELAR VI

CZECHOSLOVAKIA/Chemical Technology - Chemical Products and Their I-25
Application. Fats and Oils. Waxes. Soap. Detergents,
Flotation Reagents

Abs Jour : Referat Zhur - Khimiya, No 4, 1957, 13785

Author : Sindelar VI., Kolar VI.
Title : Xanthogenates

Orig Pub : Xantogenaty. Rudy, 1955, 3, No 4, 123-125

Abstract : Description of the properties of xanthogenates used in
the flotation of sulfide ore; of the preparation of
xanthogenates in the laboratory and of their production
on an industrial scale; of the process of hydrolysis of
xanthogenates; of their collecting characteristics; of
the process of sulfide ore flotation.

Card 1/1

- 383 -

... V. A. S. T. I. M. I. U.

... the ... character ...
... with ... manganese ...
... at 5 ... for 2 ... hrs. at ... with an ...
... $KMnO_4$ + Na_2O_2 as catalyst. Precise analytical and
... flotation characteristics as well as the flotation action of
... oxidized I on siderite, barite, barite, coal mudd, and coal
... dusts under various conditions are given. I. Hypp-

11
12

Sindelar, V.

STROJIRENSTVI (Machinery)
Vol 8, Nr 2, 21. February, 1958

Sindelar V.: Optimum speed for centrifugal casting of polyamide gears //

Strojirenstvi Vol. 8, No 2, 1958, p. 126-127

The article deals with experience obtained in casting centrifugally polyamide gears as large as 160 mm in diameter. So far the polyamide gears of indicated size were mainly machined from pre-cast semiproduct. Direct casting brings therefore serious advantages the more so as polyamide gears are used at ever increasing scale in various branches of food industries. The author indicates optimum revolutions for centrifugal casting and explains the method of determining them.

SINDELAR, V.

Selecting reading interval for physical measurements and its effect on dependability of result. p. 228

MATEMATICKO-FYZIKALNY CASOPIS. (Slovenska akademia vied)
Bratislava Czechoslovakia

Vol. 8, no. 4, 1958

Monthly list of East European Accessions (EEAI) LC. VOL. 9, no. 1 January 1960

Uncl.

Country : Czechoslovakia H-29
Category : Chemical Technology. Chemical Products and Their
Applications. -- Synthetic Polymers. Plastics.
Abs. Jour. : R. Zh. - Khim., No. 11, 1959 40673
Author : Sindelar, V.
Institut. : Not given
Title : The Distribution of Mass in Polyamide Gears Cast by
the Centrifugal Method
Orig. Pub. : Strojirenstvi, 3. No 8, 623-624 (1958)
Abstract : The investigation of the density distribution in
polyamide gears produced by centrifugal casting has
shown that the density and hence also the strength
varies at different points along a radial section.
With increasing distance from the axis the density
at first increases and then decreases near the teeth.
The investigations were made using the hydrostatic
method, based on the flotation of the test specimens
in water-glycerin solutions of varying consistency.
The method is characterized by very high accuracy
and reliability and can be used in the determination
of the density distribution and bulk density of
various materials.

Card: 1/1

L. Sedov

SINDELAR, V.

"Problems of terms and symbols for some basic units of the main metric systems." p. 293.

STROJIRENSTVI. (Ministerstvo tezkého strojirenstvi, Ministerstvo presného strojirenstvi a Ministerstvo automobilového pramyslu a zemedelských stroju). Praha, Czechoslovakia, Vol. 9, No. 4, Apr. 1959.

Monthly list of East European Accessions (EEAI), LC, Vol. 8, No. 8,
August 1959.
Uncla.

Судовый акт

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PHASE I BOOK EXPLOITATION

501/5799

Unksov, Ye.P., Doctor of Technical Sciences, Professor, Ed.

Sovremennoye sostoyaniye kuznechno-shtampovochnoye proizvodstva (Present State of the Pressworking of Metals) [Moscow] Mashgiz, 1961. 434 p. 5000 copies printed.

Ed. of Publishing House: A.I. Sirotin; Tech. Ed.: B.I. Model'; Managing Ed. for Literature on the Hot Working of Metals: S.Ye. Golovin, Engineer.

Title: Kuznechno-shtampovochnoye proizvodstvo v SSSR (The Pressworking of Metals in the USSR) by: A.V. Altykin, D.I. Berezhkovskiy, V.F. Volkovitskiy, I.I. Girsh (deceased), L.D. Gol'man, S.P. Granovskiy, N.S. Dabrinskiy, A.I. Zimin, S. L. Zlotnikov, A.I. Kagalovskiy, P.V. Lobachov, V.N. Martynov, Ye.N. Moshnin, G.A. Navrotskiy, Ya.M. Okhrimenko, G.N. Rovinskiy, Ye.A. Stesha, Yu.L. Rozhdetsvenskiy, N.V. Tikhomirov, Ye.P. Unksov, V.F. Shecheglov, and L.A. Shofman; Eds: Ye.P. Unksov, Doctor of Technical Sciences, Professor, and B.V. Rozanov.

Title: Kuznechno-shtampovochnoye proizvodstvo v ChSSR (The Pressworking of Metals in the Czechoslovak SR) by: S. Burda, F. Hrazdil, F. Drastik, F. Zlatohlávek

Card 1/8

For all copies of the (Cont.)

207/109

G. Hrubal, V. Kraus, F. Hrubal, P. H. Jar, K. Harvan, J. Novák, J. Ondrák,
M. Pátek, B. Štefan, M. Hons, J. Čížek, V. Šindelář, and J. Šolc; Eds.:
A. Nejezka and M. Vlk.

NOTE: This book is intended for engineers and scientific personnel concerned
with the pressworking of metals.

COMMENT: Published jointly by Mashin and SNTL, the book discusses the present
state of the pressworking of metals in the USSR and the Czechoslovak Socialist
Republic. Chapters were written by both Soviet and Czechoslovak writers. No
personalities are mentioned. There are 129 references: 98 Soviet, 16 English,
3 German, 5 Czech, and 2 French.

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- Ch. VIII. Scientific Research Work in the Field of Cold Impact Forging of Metals [F. Hrdáčil, Plant ineni Škoda, Brno] 355
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- Ch. X. The Manufacturing Process and Organization in the Stamping of Bodies at the Automobile Plant "National Enterprise (AZNP) Mladá Boleslav" [Z. Kejval, AZNP, Mladá Boleslav] 397
- Ch. XI. The Mechanization of Obsolete Enterprises as a Means of Increasing Labor Productivity [D. Šauer, Vítkovice Metallurgical Plant ineni Klement Gottwald, Ostrava] 410
- Ch. XII. The Initial Pressworking of FeAl Alloys and Large FeCrAl Castings [F. Majer and J. Šolc, Scientific Research Institute of Iron, Prague].

Card 7/8

SINDELAR, Vaclav, inz. dr.

New system of measures in Czechoslovakia. Normalizace 11 no.8:
suppl: Za vyssi kvalifikaci pracovníku v technické normalizaci:
Pl/57-Pl/80 '63.

SIMEJAR, Vaclav, dr. inz.; SMRZ, Ladislav, inz.

New system of measures in Czechoslovakia. Normalizace 11
no. 12: Supplement: Za vyssi kvalifikaci pracovníku v
technické normalizaci: P /105-P /140 D '63.

1 1

SINDELAR, Vaclav, inz. dr.

New system of measures in Czechoslovakia. Normalizace 11
no.10:Suppl.: Za vyssi kvalifikaci pracovníku v technické
normalizaci: P₁/81-P₁/104 0 '63.

SINDELAR, Václav, in. in.

Unified system of measuring in the Czechoslovakia. Stroj vyr 12 no.7:
512-514 31'64

1. Office of Standardization and Measurement, Prague.

SINDELAR, Vlastimil

Problems of selective iron ore separation by flotation. Rudy:
Suppl.:Prace vyzkumnych ustavu no.4:25-30 J1 '63.

1. Ustav pro vyzkum rud, Praha.

SOUKUPOVA, K.; HLABANE, J.; SINDJAROVA, I.

Effect of nutrition on fat metabolism in atherosclerosis. Cesk. gastroenter. 12 no.6:444-453 Nov 58.

1. IV. interni klinika KU v Praze, prednosta prof. dr. B. Prusik.
K. S. Praha 2, U nemocnice 2.

(LIPIDS, in blood

in arteriosclerosis, eff. of diets (Cz))

(ARTERIOSCLEROSIS, blood in,

lipids, eff. of diets (Cz))

(DIETS, in var. dis.

arteriosclerosis, eff. on blood lipids (Cz))

POKORNY, Josef; STUHLIKOVA, Eva; TENOROVA, Marta; SINDELAROVA, Irena

Determination of the serum LDH activity in peripheral circulatory disorders. Cas.lek.cesk 100 no.29/30:913-916 14 J1 '61.

1. IV. interni klinika KU v Praze, prednosta prof. MUDr. Mojmir Fucik Centralni laboratore KUNZ-KNV Praha, prednosta MUDr. Jan Hrabane.

(VASCULAR DISEASES PERIPHERAL blood)
(DEHYDROGENASES blood)

JENDELAROVA, J.

Differences between oak seedlings according to the sowing methods.

p. 621 (Sbornik, Rada Lesnictvi) Vol 30 no. 3 Aug. 1957. Praha, Czechoslovakia.

SO: Monthly Index of East European Accessions (EEAI) LC, Vol. 7, no. 1, 1958 Jan.

1. Differences between oak seedlings according to the sowing methods.

Differences between oak seedlings according to the sowing methods.

p. 681 (Dobrník. Doba lesnictví) Vol 30 no 9 Sept. 1957. Praha, Czechoslovakia.

22: Monthly Index of East European Accessions (MIEA) 12, Vol. 7 no 1 Jan 1958

Lindlarova, J. vola

Author's Name
Lindlarova, J. vola
Country of Origin
Czechoslovakia
Journal Title
Průmysl
Journal Issue
Průmysl, Průmysl, No 12, October 60, p 375

Abstract
The abstract in Veterinary Medicine
Institutions: Department of Medical Chemistry, Physics, and
Toxicology, Veterinary Faculty of VSM in Brno;
Polyspectroscopic Institute of the Czechoslovak Academy of
Sciences in Prague.
Title: Spectroscopic Determination of Nitrofurazone
in Feed Mixtures for Chickens, Source.

Author's Name
Lindlarova, J. vola
Country of Origin
Czechoslovakia
Institutions: Department of Medical Chemistry, Physics, and
Toxicology, Veterinary Faculty of VSM in Brno;
Polyspectroscopic Institute of the Czechoslovak Academy of
Sciences in Prague.
Title: Spectroscopic Determination of Nitrofurazone
in Feed Mixtures for Chickens, Source.

Author's Name
Lindlarova, J. vola
Country of Origin
Czechoslovakia
Institutions: Department of Medical Chemistry, Physics, and
Toxicology, Veterinary Faculty of VSM in Brno; Polyspectroscopic
Institute of the Czechoslovak Academy of Sciences in Prague.
Title: Spectroscopic Determination of Nitrofurazone in
Feed Mixtures for Chickens, Source.

Red

SINDELAROVA, Kveta
SURNAME, Given Names

Country: Czechoslovakia

Academic Degrees:

Affiliation: Department of Medical Chemistry, Physics and Toxicology, Veterinary Faculty
Graduate School of Agriculture /Katedra lekarske chemie, fyziky a toxikologi
veterinarni fakulty VSZ Vysoke Skole Zemedelske/ Brno ; Chief /vedouci/
Prof A. JANECEK, DVM

Source: Prague, Veterinarstvi, Vol 11, No 10, Oct 1961; pp 391-392

Data: "Laboratory Diagnosis of Nitrofurazone Poisoning"

SINDELAROVA, Kveta /graduate veterinarian (promovana veterinarna lekarka)

NEUMAN, Vojtech /Docent DVM MSc

NEUMAN, V.; KULHANEK, V.; MADEROVA, V.; SINDLAROVA, K.

Ornithine carbonyl transferase activity in blood serum and liver of guinea pigs after CCl_4 intoxication. Acta veter Hung 13 no.3: 239-244 '63.

1. Department of Medical Chemistry, Physics and Toxicology, Veterinary Faculty and Research Institute of Traumatology, Brno, Czechoslovakia.

SINDELAROVA, Libuse, Technicka spoluprace; BUCHNICEK, Jan, RMDr.

Effect of chlorowycetin on *Trichophyton gypseum* respiration.
Cesk. dermat. 31 no.6:311-314 Dec 56.

1. Biologicky ustav lekarske fakulty Palackeho university v
Olomouci.

(TRICHOPHYTON, effect of drugs on,
gypseum, chloramphenicol on resp. (Cz))

(CHLORAMPHENICOL, effects,
on *Trichophyton gypseum* resp. (Cz))

L 50190-65 EPA(n)-2 /EWT(m)/EPP(n)-2/T/EMP(t)/EMP(b)/EAA(c) Pu-4
 ISF(c) WTH/ES/JD/WA/JG
 ANS014982 BOOK EXPLOITATION UR/553.061:546.79

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Batulin, S. G.; Golovin, YE. A.; Zelenova, O. I.; Kashirtneva, N. V.;
 Komarova, G. V.; Kondrat'yeva, I. A.; Lisitsin, A. K.; Perel'man,
 A. I.; Sindel'nikova, V. D.; Chernikov, A. A.; Shmarlovich, YE. M.

Exogenous epigenetic deposits of uranium; formation conditions
 (Ekzonennyye epigeneticheskiye mostorozhdeniya urana; usloviya
 obrazovaniya). Moscow, Atomizdat, 1965. 321 p. illus., biblio.
 Errata slip inserted. 1100 copies printed.

TOPIC TAGS: deposit formation, epigenetic theory, exodiagenetic
 deposit, surface uranium accumulation, uranium bituminous deposit,
 uranium deposit, uranium, nuclear fuel. 19

PURPOSE AND COVERAGE: This book is intended for readers specializing
 in the geology of ore deposits, in particular for those concerned
 with atomic raw materials, and also for students of higher-education
 institutions. In the book, for the first time in Soviet and
 foreign literatures, the epigenetic theory of uranium-deposit
 formation is expounded. Many Soviet and foreign source materials

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have been used in this book, and some of the investigations carried out by the present authors are published in this book for the first time. Several names of Soviet scientists working in this field are mentioned. V. A. Uspenskiy collaborated on Ch. I, and M. A. Viselkina on Ch. III. The authors thank A. A. Saikov, deceased, Corresponding Member Academy of Sciences USSR, and F. I. Vol'fon, D. G. Sapozhnikov, V. I. Gerasimovskiy, M. F. Stralkin, G. S. Gritsavenko, and I. P. Kushnarev, Doctors of Geologico-Mineralogic Sciences; V. I. Danchev, Candidate of Geologico-Mineralogic Sciences, and N. A. Volokovykh. There are about 12 pages of references of which about 3/4 are Soviet.

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 - Ch. IX. Deposits of oxygen-free oxidation (Type 7). Deposits in oil-bearing carbonate rocks -- 180
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AVAILABLE: Library of Congress

SUB CODE: ES SUBMITTED: 04Feb65 NO REF SOV: 188

OTHER: 118

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KAUSAS, I.I.; BINDEROVSKAS, K.Ya.; FADINUKA, A.V.

GSGM-500 generator for the feeding of two arcs during electric
welding in CO₂. Avton. svar. 17 n.2:90-92 P. 101.
(MIRA 19:9)

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

Study of the effect of

Study of the effect of the growth of thermoplastic. Study
(MRA 18:8)

SINEL'YEV, A.A.; IRVIN, J.N. [deceased]

Pressure losses in the round channels of a granulator head during a steady isothermal flow of melted compositions for phonograph records. Plast. massy. no.9:44-48 '65. (MIRA 18:9)

PHASE I BOOK EXPLOITATION POL/3440

Kulebakin, Viktor Sergeevich, V. Morozovskiy, and I. Sindeyev

Lotnicze elektroenergetyczne urządzenia pokładowe (Electrical Equipment for Aircraft) Warszawa, Wyd-wo Min-wa obrony narodowej, 1958. 546 p. Errata slip inserted. 600 copies printed.

Eds.: Maria Kowalska, Master in Engineering, and Jerzy Domanski, Engineer; Tech. Ed.: Helena Malczewska; Leslaw Bedkowski, Master in Engineering; Józef Kruś, Master in Engineering, and Janusz Dombrowicki, Engineer; Reviewer: Józef Sienkiewicz, Master in Engineering.

PURPOSE: This book is a textbook for students and aircraft engineers and technicians.

COVERAGE: The book describes the design and operating principles of basic modern electrical power equipment of aircraft. It discusses theoretical principles of various operating processes

Card 1/-14

Electrical Equipment (Cont.)

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of individual units and of the system as a whole. The book also describes the construction of electric power systems and lists technical requirements of the most widely used kinds of equipment. There are 43 references: 36 Soviet and 7 English.

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4. Operating conditions of aircraft electrical equipment	17
5. Basic technical requirements of aircraft electrical equipment	22

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GASYUK, Ivan Platonovich; SINDYEV, Ivan Lukich; ZALOGIN, N.S. redaktor;
SAMOKHVALOV, Ya.A., inzhener, redaktor; SASOV, V.V., kandidat
tekhnicheskikh nauk, dotsent, retsenzent; HUDENSKIY, Ya.V., tekhnicheskii redaktor

[Manufacture of thread gauges] Praktika izgotovleniia res'bovykh kalibrov. Kiev, Gos.nauchno-tekhn.isd-vo mashinostroitel'noi lit-ry, 1955. 118 p. (MIRA 9:1)
(Gauges) (Screw threads)

SINDEYEV, I. L.

USSR/Engineering - Machine tools

Card 1/1 Pub. 103 - 14/25

Authors : Sindeev, I. L.

Title : "Floating" disc clutch for milling cutters

Periodical : Stan. i instr. 1, 29-30. Jan 1955

Abstract : A description is presented of a floating disc clutch used in cutting multiple thread screws. A drawing depicting the above mentioned component is presented, together with technical specifications. Table.

Institution :

Submitted :

The Committee on Stalin Prizes (of the Council of Ministers USSR) in the fields of science and inventions announces that the following scientific works, popular scientific books, and textbooks have been submitted for competition for Stalin Prizes for the years 1952 and 1953. (Sovetskaya Kultura, Moscow, No. 22-40, 20 Feb - 3 Apr 1954)

<u>Name</u>	<u>Title of Work</u>	<u>Nominated by</u>
Mulebakin, V.S.	"Electrification of Aircraft"	Air Force Engineering Academy in honor of Prof. N.Ye. Zhukovskiy
Korozovskiy, V.F.		
Kagorskiy, V.D.		
<u>Sindayev, I.K.</u>		

80: W-30604, 7 July 1954

KULBAKIN, Viktor Sergeevich; MOROZOVSKIY, Vladimir Tikhonovich; SINDEYEV, Igor' Mikhailovich; LARIONOV, A.N., professor; SENKEVICH, A.M.;
~~CHUDIN~~ Tekhnicheskikh nauk, redaktor; BOGOMOLOVA, M.P., izdatel'skiy redaktor; ZUDAKIN, I.M., tekhnicheskii redaktor

[Production, transformation and distribution of electric power in aircraft] Proizvodstvo, preobrazovanie i raspredelenie elektricheskoi energii na samoletakh. Moskva, Gos.izd-vo obr. promyshl., 1956. 479 p.
(MIRA 9:11)

1. Zaveduyushchiy kafedroy elektrooborudovaniya samoletov i avtomobiley Moskovskogo energeticheskogo instituta imeni Molotova, chlen-korrespondent Akademii nauk SSSR (for Larionov)
(Electricity in aeronautics)

From the journal "Elektricheskaya Tekhnika" No. 9, 1956

SINDEYEV, I. M.

PHASE I BOOK EXPLOITATION

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Kulebakin, Viktor Sergeevich, Igor' Mikhaylovich Sindeyev, Pavel Davidovich Davidov, and Boris Fedorovich Fedorov (Deceased)

Elektricheskiye sistemy zazhiganiya, obogreva i osveshcheniya samoletov (Electric Ignition, Heating, and Lighting Systems for Aircraft) Moscow, Oborongiz, 1960. 372 p. (Series: Elektrifikatsiya samoletov) Errata slip inserted. 5,500 copies printed.

Reviewers: Moscow Aviation Institute; D.A. Zavalishin, Honored Scientist and Technologist for the RSFSR, Doctor of Technical Sciences, Professor; Ed.: A. M. Senkevich, Candidate of Technical Sciences, Docent; Managing Ed.: S. D. Krasil'nikov, Engineer; Ed. of Publishing House: P. B. Morozova; Tech. Ed.: V. I. Oreshkina.

PURPOSE: This is a textbook for aeronautical schools of higher education.

COVERAGE: The book contains a description of the operating principles and structure of electrical systems for ignition of combustible mixtures in piston engines, gas turbines, and jet engines; for heating the plane's crew compartment and various kinds of equipment; and for aircraft illumination and signal lights. Fundamentals of the theory

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