

NEMETH, Bela

Economical use of cement in the Council for Economic Mutual Assistance countries. *Epites szemle* 5 no.8:250-251 '61.

1. "*Epitesugyi Szemle*" szerkeszto bizottsagi tagja.

NEMETH, Bela

The 2d scientific session of the research institutes of the Ministry of Construction. Epites szemle 6 no.1:27-30 '62.

1. "Epitesugyi Szemle" szerkeszto bizottsagi tagja.

(Hungary—Construction industry)

NEMETH, Bela

The 3d scientific session of the Ministry of Construction research institutes. Epites szemle 6 no.12:382-385 '62.

1. "Epitesugyi Szemle" szerkeszto bizottsagi tagja.

NEMETH, Bela

Polish Architectural Exhibition in Budapest. Epites szemle 6 no.12:385
'62.

1. "Epitesugyi Szemle" szerkeszto bizottsagi tagja.

NEMETH, Bela

An account of the 1962 Warsaw conference arranged by the Documentation Centers of the Council for Economic Mutual Assistance Countries. Epites szemle no.8:258-259 '62.

1. "Epitesugyi Szemle" szerkeszto bizottsagi tagja.

NEMETH, Bela

Technical development, research and information service.
Epites szemle 7 no.6:186-191 '63.

1. Epitesugyi Miniszterium Epitesugyi Dokumentacios Iroda
igazgatoja.

NEMETH, Bela, dr.

RADNOT, Magda, dr.; NEMETH, Bela, dr.

Effect of testosterone preparations on the lacrimal glands. Orv
hetil 95 no.21:580-581 My '54. (REAL 3:8)

1. A Budapesti Orvostudományi Egyetem I. sz. Szemklinika-jának
(igazgató: Radnot Magda dr. egyet tanár) közleménye.
(LACRIMAL APPARATUS, effect of drugs on
*testosterone)
(TESTOSTERONE, effects
*on lacrimal glands)

NEMETH, Bela.

Transposition of lacrimal points. Szemeszet 92 no.2:73-75 June 55.

1. A budapesti Orvostudományi Egyetem I. sz. Szemklinikájának
(igazgató: Radnot Magda egyetemi tanár, az orvostudományok doktora)
közleménye.

(LACRIMAL APPARATUS, dis.

lacrimation disord. caused by disloc. & stenosis of
lacrimal points, surg. ther., technic (Hun))

NE METAL, B

2
Action of testosterone preparations on the lacrimal gland.
M. Radest and B. Dameth (Med. Univ., Budapest).
Ophthalmologica 129: 378-80 (1955). Testosterone (Neo-
nombrex, Andriol) injections in female and castrated
male rabbits increased the wt. of the lacrimal glands.
Hyperactivity of the parenchymas of the glands was demon-
strated histologically. These findings support the observa-
tion of increased lacrimal secretion in keratoconjunctivitis
treated by testosterone. Jean Finckh.

NEMETH, B.

"Butlerov." p. 543. (Termesztudományok és Technika, Vol. 112, no. 9, Sept 53, Budapest)

SO: Monthly List of East European Accessions, Vol 3 No 2 Library of Congress Feb 54 Uncl

NEMETH, Bela

A case operated on for a lacerated canthus caused by contusion.
Szemeszet 100 no.2:118-119 Je '63.

1. Pestmegyei Tanacs Semmelweis Korhaza Szemesztalya.
(CONTUSIONS) (EYE INJURIES)

NEMETH, Bela, dr.; FARKAS, Eva, dr.; JASPER, Antal, dr.; ECKHARDT, Sandor,
dr.

Diagnostic difficulties in the case of cancer. Magy.onkol. 7 no.4:
248-252 D '63.

1. Pestmegyei Tanacs Semmelweis Korhaza es Urazagos Onkologiai
Intezet.

NEMETH, Bela; FARKAS, Eva

Intraocular hemorrhage associated with vicarious menstruation.
Szemeszet 100 no.4:232-234 D '63.

1. Pestmegyei Tanacs Semmelweis Korhaz Szemoszalyanak (Igazgato-
főorvos: Nemeth Bela, az orvostudományok kandidátusa) közleménye.

NEMETH, Bela; MARTON, Dezso; TOTH, Pal; KUGLER, Stefania

Apropos of the conservative treatment of lacrimal duct diseases. Szemesztet 101 no.2:80-83 Je'64

1. Pestmegyeri Tanacs Semmelweis Korhaza (Igazgato:Szematsik, Jeno, dr.) Szemosztalyanak (Fo orvos: Nemeth, Bela, az orvostudomanyok kandidatusa) kozlemenye.

NEMETH, Bela, dr.; FARKAS, Eva, dr.

Clinical experiences in the use of Depersolon eye drops.
Orv. hetil. 106 no.43:2037-2039 24 0 '65.

1. Pest megyei Tanacs Semmelweis Korhaz, Szemeszeti Osztaly
(foorvos: Nemeth, Bela, dr.).

NEMETH, E.

Nemeth, E. Geometry of circles. Mikgyetemi
(Közlemények 1948, 57-88 (1948). (English. Hungarian
summary)

The well-known cyclographic mapping is a one-to-one
correspondence between the oriented circles of the plane
and the points of three-dimensional Euclidean space. This
correspondence may be used to derive theorems on circles.
The author discusses what, according to E. Müller's termi-
nology [E. Müller, Vorlesungen über darstellende Geometrie,
v. 2, Deuticke, Wien, 1929], are called C-metric problems.
The English of the paper is such that some of the theorems
are unintelligible. E. Lukacs (China Lake, Calif.)

Source: Mathematical Reviews,

Vol. 10 No. 1

Math 22

NEMETH, E. (Budapest, XI., Egry Jozsef u.18); CSAKI, E. (Budapesti, XI., Egry Jozsef u.18)

Methods of mathematical statistics for evaluating electric breakdown measuring series. Periodica polytechn electr 7 no.1:9-35 '63.

1. Department for High Voltage Technics and Equipments of the Technical University of Budapest, and Research Institute for Mathematics of the Hungarian Academy of Sciences. Presented by Prof. Dr. J. Eisler.

IN MEMORIAM

BARTA, L.; NEMETH, E.; RUPNIK, E.

Fat metabolism in atrophic infants. Orv. hetil. 94 no. 46:1267-1270
15 Nov 1953. (CML 25:5)

1. Doctor for Barta and Nemeth; Technical Collaborator for Rupnik.
2. First Children's Clinic (Director -- Prof. Dr. Pal Gagesi Kiss),
Budapest Medical University.

NEMETH E.

✓ Fat-tolerance tests in infants. I. Barta and E. Németh.
(Univ. Med. School, Budapest). *Acta Med. Acad. Sci.
Hung.* 3, 231-40 (1954).—A significant increase in plasma
fatty acid is produced in eutrophic, dystrophic, and atrophic
infants 4 to 8 hrs. following ingestion of 2 g. butter per kg.
body weight. Atrophic infants exhibit less ketogenesis than
do eutrophic and dystrophic infants; this deficiency can be
correlated with the "vita minima" and pituitary hypofunc-
tion. John P. Crispell

42. Experimental research on seepage under dams, by E. Németh. ("Magyar Közlekedési, Mű- és Vízépítési" Communication and Civil Engineering in Hungary — Vol. II, No. 8, pp. 31-46, Aug., 1930, 16 figs., 1 tab.).

This study deals with laboratory researches in connection with the designing of a large hydraulic construction in order to determine the seepage

movement and buoyancy of multi sheet pile dams. In the first part of the article the author describes the theoretical procedures pointing out that these when applied to multi sheet pile floor plates, result in elliptic integrals which can be solved only by a lengthy process. With this in view the author describes the methods of approximation of other scientists and the fundamental principles of model experiments based on electrical analogy developed by Pambolousky. On the basis of 21 experiments, carried out in the laboratory, the author inserts in the second part of the article that with dams built on grainy soil the effect of the upstream floor is favourable, whereas the upstream sheet piling is of limited value only and that it is not in proportion to the increase in expenditure. The down stream pile sheet and the asphalt stone flooring also have a favourable effect. Besides these general statements the experiments extend as well to the determination of the optimal length of the suggested sheet piling. In conclusion an interesting comparison is made between the experimental results of the author and the values obtained by the method of approximation elaborated by Wewers-Knecht. The difference between experimental and theoretical results did not exceed 3 per cent.

NEMETH, L.

Book 3544. NEMETH, L. Hydrology and hydrometry (Hydrologia és Hidrometria). Budapest, 1954. 662 pp. + 32 tables. 96 forints.

Hungary continues her splendid tradition in the field of hydrologic measurements. "Hidrometria" by S. Hajós, published 1901, was the first systematic treatise in Europe. This large volume presents methods of small investigations with concise chapters on different parts of hydrology. Contents of the book: Meteorological observations, particularly precipitation; Hydrology: natural regime; intensity of runoff; infiltration; empirical formulas for average and maximum runoff; River valley; development of river bed; Water-flow fluctuations; Distribution of velocities, formulas for mean velocity; River dynamics; movement of sediments; ice regime; Limnology: lakes, their regime; regulation; Underground water theories, observations; Seas, tides; Hydrometry: gauges, gauging stations, soundings; Velocity measurements: instruments, their using and use; Graphical determination of river discharge; Volumetric measurements; weirs, flumes; Dilution methods; Water meters, siphons, scales, venturi; Traverse method in pipes; Soil measurements; Soil measurements; Flow observations; Groundwater measurement; Hydrography: mean and extreme stages, frequency and duration, harmonic analysis; Discharge curve; Storage computation; Uvigraph; Stage forecast and flood warning service.

32 tables of illustrations and a sample sheet of forecasting service in Hungary are added to this valuable book, which deserves publication in any more easily accessible language than Hungarian. Author showed wide knowledge of subject and good orientation in the international literature.

S. Kalupalla, USA

NEMETH, E.

16. New methods for analyzing water with ethylene diamine tetraacetic acid — *Új vizszálalás módszer a szilendiamintetraacetáttal vizsgálva* — E. Németh (Hungarian Power Economy — *Magyar Hőgazdálkodás* Vol. 7, 1954, No. 4, pp. 84-87)

Quick and exact methods of water analysis are of major importance in plant control. The determination by the versenate method of total hardness (above and below 0.8 German hardness degrees) as well as the calcium, magnesium and sulfate content of water can be recommended on the basis of the tests conducted at the Institute for Thermotechnical Research. The faults of the methods dealt with do not exceed 1%. Advantages: only small quantities of reagents are required, a test takes 3 to 10 min, the colour change is sharp and easily observable.

NEMETH, E.

"Sewage purification problems of power producing plants from the material of the 5th World Power Conference held in Vienna."

p. 125 (Energia Es Atomtechnika) Vol. 10, no. 2/3, May/June 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (EEAI; LC. Vol. 7, no. 4,
April 1958

NEMETH, E.; DEKAN, J.

"Treatment of cooling water by means of phosphate; possibilities for the application of polyphosphates and superphosphates in the field of the treatment of cooling water."

p. 279 (Energia Es Atomtechnika) Vol. 10, no. 5/6, Aug. 1957
Budapest, Hungary

SO: Monthly Index of East European Accessions (zhAI) LC. Vol. 7, no. 4,
April 1958

NEMETH, E. (PROF)

ACTA TECHNICA
ACADEMIAE SCIENTIARUM HUNGARICAE
VOL. XVIII, NOS 1-2, 1957

2

HYDROLOGICAL RESEARCH IN HUNGARY
COMPILED FROM REPORTS OF THE HUNGARIAN RESEARCH INSTITUTES
FOR THE 1957 TORONTO CONGRESS OF THE INTERNATIONAL GEODETIC
AND GEOPHYSICAL UNION

673

Prof. E. NEMETH
10, PUSZTASZALOTI ST.

673

NEMETH, E., prof. Dr.h.c., Docteur es Sciences Techniques

Hydrologic research in Hungary. Acta techn Hung 30 no.1/2:59-87 '60.
(EEAI 10:1)

(Hungary--Hydrology)

KLINGHOFER, LASZLO, Dr.; NEMETH ELEMER, Dr.; VILAGI GYULA, dr.; DAVID ANDRAS, Dr.

Ballistocardiography in differentiation of heart complaints of organic and nervous origin. *Magy. belorv. arch.* 10 no.2-3:41-42 Apr-June 57.

1. A gybri Megyei Korhaz (igazgato: Mike Zoltan dr.) II. sz. Belosztalyanak (foorvos: Klinghafer Laszlo dr.) kozlemenye.

(BALLISTOCARDIOGRAPHY, in various dis.

heart dis., differ. diag. of organic & nerv. heart dis.
(Hun))

NEMETH, Eleonora

BARTA, Lajos, dr.; NEMETH, Eleonora, dr.; SOLTÍ, Ferenc, dr.;
TORNYOS, Károly, dr.

Effect of tetraethylammonium bromide on blood sugar in diabetes
mellitus. *Gyermekegygyászat* 5 no.12:367-371 Dec 54.

1. A Budapesti Orvostudományi Egyetem I. sz. Belklinikájának
(Igazgató: Ruzsnyák István dr. egyet. tanár) és I. sz. Gyermekegy-
klinikájának (Igazgató: Gegesi Kiss Pál dr. egyet. tanár)
közleménye.

(TETRAETHYLAMMONIUM, eff.

on blood sugar in diabetes mellitus)

(DIABETES MELLITUS, blood in

blood sugar, eff. of tetraethylammonium bromide)

(BLOOD SUGAR, in various dis.

diabetes mellitus, eff. of tetraethylammonium bromide)

1ST AND 2ND COLUMNS																										3RD AND 4TH COLUMNS																									
PROCESSES AND PROPERTIES INDEX																																																			
BANYASATI ES KONYASATI LAPOK HUNGARIAN JOURNAL OF MINING AND METALLURGY VOL. V. (LXXIII) 1950 No. II, Nov.																																																			
<i>E. Nemeth.</i> Electric resistance furnaces 1																																																			
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ASB-514 METALLURGICAL LITERATURE CLASSIFICATION																			
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1ST DEGREE										2ND DEGREE									

NEMETH, E

151
High-Resistance Materials. E. Némethi. (Kohdász Lopo
063, B. May, 116-120). The distribution rates of heat en-
ergetic in direct resistance heating and securing heat equi-
librium by change of cross-section are discussed. Reference
made to austenitic and ferritic conduction-resistant alloys.
The resistance and composition of salt baths are also dealt with.

98 121

L 34969-66 EWP(t)/ETI JJP(c) JD
ACC NR: AP6026654

SOURCE CODE: HU/0014/65/098/011/0481/0486

AUTHOR: Nemeth, Emil (Graduate metallurgical engineer)

ORG: LKM

TITLE: Heat-resistant steel without chromium and nickel alloyant

SOURCE: Kohaszati lapok, v. 98, no. 11, 1965, 481-486

TOPIC TAGS: heat resistant steel, metal property

ABSTRACT: Chromium- and nickel-free heat-resistant steels, containing 0.12-0.07% carbon, 0.79-54% manganese, 8.29-0.20% aluminum, 2.75-0.79% silicon, 0.80-0.40% titanium, 0.027-0.012% phosphorus, and 0.029-0.007% sulfur, having total alloyant contents of 1.76-11.64%, were investigated for structural characteristics, physical properties (both before and after heat-treatment), thermal resistance, electrical and magnetic behavior, and effect of alloying materials. These steels are covered by a Hungarian patent [patent number not stated]. The data obtained in the studies were presented and discussed. Orig. art. has: 17 figures and 5 tables.
[JPRS: 33,732]

SUB CODE: 11 / SUBM DATE: none

Card 1/1 JS

UDC: 669.14.018.44/45.004.12

NEMETH, E.

Hungarian Technical Abst.
Vol. 6 No. 1
1954

40. Determination of the output of the heating elements of electrically heated, thermostat-controlled hand irons -- *Hőszabályozós elektromos hajvaszó készülékek hőteljesítményének meghatározása* - E. Nemeth (Hungarian Textiles - *Magyar Textiltechnika* - 1953, No. 1, pp. 13-16, 2 figs.)

The heating elements of electric irons used in the clothing industry must compensate for two kinds of heat losses, the quantity of heat needed for (1) heating the pressed, damp cloth, (2) evaporating the moisture in the cloth. In order to simplify the examination it should be assumed that the act of ironing consists merely of placing the iron on a cloth with an area equal to that of the iron. In this way the maximum heat loss can be computed. The time required for putting into operation, and the efficiency of the iron warrant the use of high-output heating elements. However if such elements were used, they would be shortly tripped by their thermostats since further heat requirements would be covered by the heat stored in the irons. This, on the other hand, would entail an early and repeated switching in due to the cooling of the irons. The frequent switching on and off shortens the life of the thermostats. The most practical size of heating elements therefore should be determined from the points of view of ironing and of increasing the durability of the thermostats. Gy. F.

NEMETH, E.

U. N. G.

109. Dynamic tensile tests. E. Nemeth. Textiletechnique. 1964. No. 52. pp. 147-149. 0 figs. 1 tab.

The practical use of textiles is far better characterized by dynamic tensile tests than by static tests. This pertains primarily to sewing threads. Three types of dynamic testers are used. (1) In the drop weight tester the potential energy of a falling mass is converted into kinetic energy and breaks the textile material. Testing velocity is approx 3 to 4 m/sec. The tester is suitable for recording breaking elongation, breaking energy and breaking time. (2) The principle of pendulum-type testers is that the kinetic energy accumulated in the mass of a pendulum is applied for breaking. The clamping device must be arranged at a spot corresponding to the centre of oscillation of the pendulum. Breaking energy is measured by the travel of the pendulum past the point of breakage. Tester capacity can be varied by applying pendulums of different mass. The drawbacks are that the tester measures only the breaking energy, and that only a max of 3 to 4 m/sec breaking velocity can be attained for

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8. Normality

textiles. (3) The flywheel-type tester consists of a flywheel coupled to an electromotor. After attaining full speed, the flywheel is disengaged from the motor, and the pin on the wheel breaks the textile material. Breaking energy is characterized by the period of free rotation subsequent to breaking. Although an impact velocity of 10.5 m/sec. may be attained with this type of tester, it is inadequate for testing textiles due to other losses of energy which cannot be separated from that of breaking. Therefore the mechanism of breaking was studied on the first two types of testers. The stressing of the material is characterized by an inhomogeneous quadratic differential equation. The various breaking times of each tested material are proportional to the initial velocity of breaking, while the breaking times of various materials at an identical initial velocity depend on the breaking elongation. With cotton sewing threads, the dynamic breaking energy was found to be 1.235 times higher than that of static breaking.

2/2

sp qw

V
NE MATH, E.

MT
93. Determining the rpm of sewing machines as a function of the number of stitches. — R. N. C. (Mayer) *Textiltechnika* — 1955, No. 1, pp. 17-18. (2 figs., 1 tab.)

The productivity of sewing machines cannot be increased by merely raising the rpm. The operation of the machine at high speed is ineffectual if the time is not sufficient to let the machine attain service speed by the end of the sewing operation or if the braking of the machine constitutes a substantial part of the sewing operation time. Therefore the problem is to ascertain the optimal machine rpm as a function of the number of stitches in the sewn strip. The number of stitches s can be computed by the formula $s = n \cdot t$ in which equation $n = f(t)$ is solved for the acceleration, stationary and deceleration stages by means of the equations of motion. By increasing the gear ratio between the sewing machine and its motor the acceleration of the machine is reduced both in a positive and a negative sense. The optimal rpm values for the various numbers of stitches obtained by mathematical methods have been verified by measurements effected with a Kierke tachograph.

114. Damage caused to fabrics by sewing. E. Némethy. *Magyar Textiltechnika*, 1953, No. 8, pp. 288-293, 14 figs., 2 tabs.

Fabrics, mainly those manufactured from cotton and rayon yarns, suffer damage along the seams consequently they tear easily. According to earlier investigations this is due to the penetration of the sewing needle into the short-clamped fibres of the yarn, stretching them until they break. The conditions affecting the extent of the damage are yarn twist, cloth structure and finish and mechanism of the sewing machine. The degree of damage is primarily influenced by the sewing machine needle. Theoretically the thread has no bearing on the extent of damage if the needle factor equals or is greater than 500 ($f \geq 500$). The needle factor is expressed by the formula $f = C_n / \sqrt{C_t}$ where C_n is the fineness count of the needle and C_t the fineness count of the thread. In cases where the needle factor is considerably lower than above, particularly with very fine needles which do not cause appreciable damage, or when the count of the thread is substantially lower than that of the yarns composing the cloth and the fibres in the yarn are fixed strongly, in that event increased damage must be reckoned with due to the presence of the thread. The damage can be reduced by the use of finer needles, by adjustments on the machine to reduce the clamping length of the fabric, by applying lubrication or local wetting, by making larger stitches, finally by taking into account when designing the fabric the damaging effect of the sewing process on the cloth.

Maths

1

NEMETH, E.

NEMETH, E. Use of nylon fabrics in the clothing industry. p. 311, No. 8,
Aug. 1956
MAGYAR TEXTILTECHNIKA
Budapest

SOURCE: EAST EUROPEAN ACCESSIONS LIST (EEAL) VOL 6 NO 4 April 1957

NEMETH, E.

ME-DIS disk counter. p. 391.

MAGYAR TEXTILTECHNIKA. (Textilipari Műszaki és Tudományos Egyesület,
Budapest, Hungary. Vol. 11, no. 10, Oct. 1959.

Monthly List of East European Acquisitions (EEAL, LC. Vol. 8, no. 10, Oct. 1959.

Uncl.

NEMETH, Endre, okleveles gepeszmernok

ME-DIS disc computer. Meres automat 9 no.8-9:285-286 '61.

1. Textilipari Kutato Intezet munkatarsa.

NEMETH, Endre, dr.

Arpad Trummer, 1884-1961; obituary. Virogy: A. 21 no. 2-291 294
'62.

NEMETH, Endre

Abrasion testing of sewing threads. *Magy textil* 13 no.5:190-194 My '61.

1. Textilipari Kutato Intezet munkatarsa.

NEMETH, Endre

Abrasion resistance characteristics of sewing threads and their correlation with the structural and mechanical properties as well as the processibility of sewing threads. Magy textil 13 no.10:425-430 0 '61.

1. Textilipari Kutató Intézet munkatársa.

KERESZTES, Ervin; NEGETH, Endre

Automation possibilities in the clothing industry. Magyar Textil 13
no.12:542-548 D '61.

1. Textilipari Kutató Intézet.

NEMET, Endre [Nemeth, E.], inzh.

Research work of the Hungarian clothing industry. Izv.vys.ucheb.zav.;
tekh.leg.prom. no.1:147-149 '62. (MIRA 1512)
(Hungary—Clothing industry)

NEMETH, Endre

Durability of pleats in fabrics made of wool, polyester fibers,
or their blends made of 55o/o polyester and 45o/o wool.
Przegl wlokien 16 no.7/8:389-395, 396 J1-Ag '62.

1. Instytut Wlokiennictwa, Budapest.

NEMETH, Endre

Development and automation of the clothing industry ironing installations. Magy textil 16 no. 2:71-73 F '64.

1. Textilipari Kutato Intezet.

NEMETH, Endre; HALMOS, Karoly

Extinguishing transformer fires with water foam. Musz elet 15
no.14:13 JI '60. (EEAI 9:9)
(Hungary--Electric transformers)

Ne-Meth Endre

HUNGARY/Electricity - General

G-1

Abs Jour : Ref Zhur - Fizika, No 5, 1958, No 10868

Author : Nemeth Endre

Inst : Not Given

Title : Experimental Methods of Measuring Electric Force Fields

Orig Pub : Villamosag, 1957, 5, No 4, 5, 97-103

Abstract : No abstract

Card : 1/1

NEMETH, Endre

Statistical evaluation of series of breakdown voltage measurements. *Elektrotechnika* 52 no.4:175-181 '59.

1. Tanarseged, Budapesti Muszaki Egyetem Villamosmivek Tanszeke.

NEETH, Endre, okleveles villamosmérnök, adjunktus

Aging of insulators. ~~Elektrotechnika~~ 56 no.5:209-214 My '63.

1. Budapesti Műszaki Egyetem Magyarszultsegu Technika es
Keszulekek Tanszeke, Budapest, XI., Egrý József 18.

L 45756-66 T/EWP(t)/ETI IJP(c) JD

ACC NR: AP6033961

SOURCE CODE: HU/0014/65/098/007/0307/0311

AUTHOR: Nemeth, Endrene (Graduate mechanical engineer)

32
B

ORG: Materials Testing Laboratory, EROKAR, Budapest (EROKAR Anyagvizsgáló Laboratorium)

TITLE: Experiences in high-temperature metallurgical microscopic studies [This paper was presented at the 3rd Materials Testing Days held in Balatonszeplak from 26 to 28 May 1964.]

SOURCE: Kohaszati lapok, v. 98, no. 7, 1965, 307-311

TOPIC TAGS: microscope, metal recrystallization, metal diffusion, phase transition

ABSTRACT: A Reichert Model MeF metallurgical microscope, capable of operating at elevated temperatures, has been installed at the Materials Testing Laboratory at EROKAR during 1964. This article describes the experiences gained and problems encountered with the installation, operation, and applications of the instrument. The instrument, equipped with a Vacutherm device, was used at temperatures of up to 1800°C mainly in the field of phase-transformation, recrystallization, diffusion, and alloying investigations. Orig. art. has: 8 figures. [JPRS: 32,491]

SUB CODE: 11, 20 / SUBM DATE: ncne / ORIG REF: 001 / OTH REF: 010

Card 1/1 *egh*

UDC: 620.05:620.18:669.15
09 20 28 10

Nemeth
PAPP, Miklos, (as orvostudományok kandidátusa); NEMETH, Eva, P.; KOLTAY, Edit

Studies on blood and lymph lipase activity in experiments on dogs. *Magy. Tudom. Akad. Orv. Oszt. Kozl.* 9 no.1:87-92 1958.

1. A Magyar Tudományos Akadémia Kísérleti Orvostudományi Kutató Intézet
Kóreléttani Osztálya és az Orvostudományi Egyetem II. sz. Sebészeti
Klinikája.

(PANCREATIC DUCTS, physiol.

eff. of ligation on lipase activity in blood & lymph of
dogs (Hun))

(LIPASES

in blood & lymph, eff. of ligation of pancreatic duct on
activity in dogs (Hun))

(LYMPH

lipase activity, eff. of ligation of pancreatic duct in dogs
(Hun))

NEMETH, E.

PAPP, M.; NEMETH, E.; FEUER, I.; FODOR, I.

Effect of an impairment of lymph flow on experimental acute pancreatitis.
Acta med. hung. 11 no.2:203-208 1958.

1. Department of pathophysiology, Experimental Medical Research Institute
of the Hungarian Academy of Sciences, Department of Surgery, Medical
University of Budapest and Department of Pathology, National Institute
of Rheumatology and Medical Hydrology.

(LYMPHATIC SYSTEM, physiol.

impairment of lymph flow increasing severity of acute
pancreatitis in dogs)

(PANCREATITIS, exper.
same)

NA 11-11-11
PAPP, M.; NEMETH, P.E.; KOLTAY, E.

Studies on the lipase activity of blood and lymph in dogs. Acta physiol. hung. 14 no.2:149-154 1958.

1. Forschungsinstitut für Experimentelle Medizin der Ungarischen Akademie der Wissenschaften, Abteilung für Pathophysiologie, und II. Chirurgische Klinik der Medizinischen Universität, Budapest.

(PANCREATIC DUCTS, physiol.

eff. of ligation on blood & lymph lipase activities in dogs (Ger))

(LIPASES

in blood & lymph, eff. of ligation of pancreatic ducts on activities in dogs. (Ger))

(LYMPH

lipase activity, eff. of ligation of pancreatic ducts in dogs (Ger))

MINCSEY, Mihaly, Jr.; MEETH, Iva, Jr.

Covering or tamponade of splenic injuries with a diaphragmatic flap in cases of thoraco-abdominal injury. Magyar Sebesz. 1964: 251-254. Ag 1964.

1. A diaphragmatic flap for the treatment of splenic injuries in thoraco-abdominal injuries. Magyar Sebesz. 1964: 251-254.

RUBANYI, Pal, Dr.; SZÉKELY, Janos, Dr.; NEMETH, Eva P., Dr.

Pre- and postoperative dosage of degranol in operable cancer patients. *Magy. sebeszet* 12 no.1:65-68 Mar 59.

1. A Budapesti Orvostudományi Egyetem III. sz. Sebészeti Klinikájának közleménye. Igazgató: Rubanyi Pal dr. egyetemi tanár.

(NITROGEN MUSTARDS, ther. use

1,6-bis-(β -chloroethylamino)-1,6-desoxy-D-mannitol
in cancer, pre- & postop. dos. (Hun))

(MANNITOL, related cpds.

1,6-bis-(β -chloroethylamino)-1,6-desoxy-D-mannitol
ther. in cancer, pre- & postop. dos. (Hun))

BRAUN, Pal, dr.; NEMETH, Eva P., dr.; PAPP, Miklos, dr.; STECZEK, Katalin

Determination of leucine aminopeptidase activity in the sera
of healthy and sick persons; preliminary report. Orv.hetil.
100 no.39:1414-1415 S '59.

1. A Budapesti Orvostudományi Egyetem I. Belklinikájának
(igazgató: Ruzsnyak István dr. egyetemi tanár) és III.
Sebészeti Klinikájának (igazgató: Babanyi Pál dr. egyetemi
tanár) közleménye.

(NEOPLASMS blood)

(PROTEASES blood)

PAPP, M.; SOLTI, F.; NEMETH, Eva P.

Electrocardiographic changes associated with acute pancreatitis.
Acta med.hung. 17 no.1:25-31 '61.

1. Department of Pathophysiology, Research Institute of Experimental
Medicine, Hungarian Academy of Sciences; Department of Medicine No.1
(Direktor: I.Rusznayak), and Department of Surgery No.3 (direktor:
P.Rubanyi), University Medical School, Budapest.
(PANCREATITIS experimental)
(ELECTROCARDIOGRAPHY physiol.)

P. NEMETH, Eva, dr.; FEHER, Janos, dr.; SZINAY, Gyula, dr.

Pseudomembranous enterocolitis. Orv. hetil. 104 no.25;1168-1171
23 Je '63.

1. Budapesti Orvostudományi Egyetem, II. Sebészeti Klinika és III.
Belklinika.

(ENTEROCOLITIS, ACUTE) (STAPHYLOCOCCAL INFECTIONS, GASTROINTESTINAL)
(ANTIBIOTICS) (POSTOPERATIVE CARE)

NEMETH, F.

SCIENCE

PERIODICALS: ~~ACTA ZOOLOGICA Vol. 10, No. 3, 1958~~
GEODEZIA ES CARTOGRAFIA Vol. 10, No. 3, 1958

Nemeth, F. Determination of photographic points of minor control by aerial traversing. p. 203.

Monthly list of East European Accessions (EEAI) LC, Vol. 8, No. 2
February 1959, Unclass.

MEMPHIS, Perene

In a c of the work of the Pire try Photographic Group.
Brds 14 123-25 Mr 16

1. Head, Pire try Photographic, Budapest.

FEN'VESH, E.; GEMESHI, T.; NEMET, F.; SHANDOR, T.; GASYOROVSKI, L.;
STARZHINSKI, A.

Semiautomatic measuring instrument for processing pictures obtained
in the bubble chamber and the Wilson chamber. Prib. i tekhn. eksp.
6 no.2:68-72 Mr-Ap '61. (MIRA 14:9)

1. Tsentral'nyy issledovatel'skiy institut fiziki, Budapesht (for
Fen'vesh, Gemeshi, Nemet, Shandor). 2. Institut yadernykh
issledovaniy, Varshava (for Gasyorovski, Starzhinski).
(Photography, Particle track)

BALAZS, Gy.; GOSCHY, B.; KILIAN, J.; NEMETH, F.

Frame bridge of varying rigidity on elastic foundation. Acta techn
Hung 28 no.1/2:209-239 '60. (EEAI 9:7)

1. Lehrstuhl II für Brückenbau der Technischen Universität für
Bau- und Verkehrswissenschaften, Budapest.
(Elasticity) (Foundations)

NEMETH, Ferenc

Power supply problems of the building material industry of
the Ministry of Building. Ipari energia 2 no.6:131-134
Je '61.

1. Foenergetikus, Epitesugyi Miniszterium.

NEMETH, Ferenc, okleveles mernok, a muszaki tudomanyok kandidatusa,
adjunktus

Post-stressed shell canal. Vizugyi kozl no.4:527-529 '61.

1. Építőipari és Közlekedési Műszaki Egyetem Mechanikai
Tanszéke, Budapest.

NEMETH, Ferenc, okleveles gépészmérnök

Examination of loading forces affecting the automatic
device during the operation of the ET plow-harrow.
Jrmu mezo gep 10 no.5:169-180 My '63.

1. Koho- es Gépipari Miniszterium Mezőgépfélesztési Intézet.

GILICZ, Bela, okleveles banyamernok, fototechnologus; KOMORI OKI, Laszlo, okleveles banya - es kozgazdasagi mernok; NEMETH, Ferenc, okleveles banyamernok.

Hydraulics of rotary drilling in case of the circulation of high-speed jets and penetration of low-pressure strata.
Bany lap 96 no.10:694-709 0'63.

1. Orszagos Koolaj - es Gazipari Troszt Dunantuli Koolajfurasi Uzem, Nagykanizsa; "Banyaszati Lapok" szerkeszto bizottsagi tagja (for Gilicz). 2. Orszagos Koolaj - es Gazipari Troszt Dunantuli Koolajfurasi Uzeme muszaki osztalyvezetoje, Szolnok (for Nemeth).

NEMETH, Ferenc

Remark on the article "Present state of power economy of enterprises." Ipari energia 5 no.5:111-112 May '64.

NEMETH, Ferenc, dr.

The 3d National Conference of Hungarian Innovators and
Inventors. Vasut 12 no.1:4-10 30 Ja '62.

NEMETH, Ferenc, dr.

Melting, danger of epidemics. Magy vasut 7 no.6:4 18 Mr '63.

1. Foorvos.

NEMETH, Ferenc, dr.

Cooperation between the Hungarian Patent Office and the Damubia
License Bureau. Vasut 13 no.6.22-24 Je '63.

NEMETH, Ferenc

Broader application of the astronomical azimuth measurement.
Geod kart 16 no.5:335-342 '64.

NEMETH, Ferenc, dr., főorvos

Factory physicians in the service of workers. Vasut 14.
no. 1: 6 Ja '64.

CSOMOR, Sandor, dr.; HUNKA, Rezso, dr.; NEMETH, Ferenc, dr.;
SZINNYAI, Miklos, dr.

On the significance of pulmonary tuberculosis in pregnancy.
Tuberkulozis 16 no.8:246-248 Ag '63.

1. A Budapesti Orvostudományi Egyetem I sz. Női klinikájának
(igazgató: Horn Béla dr. egyetemi tanár) közleménye.
(PREGNANCY COMPL., INFECTIOUS)
(TUBERCULOSIS, PULMONARY)
(STATISTICS) (BIRTH CONTROL)
(COMMUNICABLE DISEASE CONTROL)

NEMETH, Ferenc, Jr., forovos

During chronic diseases b. the Hungarian State and people's
institutions Vasut 15 no. 2-7-8 1951

L 32135-66

ACC NR: AP6023536

SOURCE CODE: HU/0017/65/017/006/0401/0403

AUTHOR: Nemeth, Ferenc

ORG: none

TITLE: Calculation of the projection of the direction angle from the astronomical azimuth

SOURCE: Geodezia es kartografia, v. 17, no. 6, 1965, 401-403

TOPIC TAGS: triangulation, geodetic survey

ABSTRACT: To determine the accuracy of the triangulation network based on stereographic projection, introduced for the city of Budapest in 1860 and still in use at this time, the projections of the direction angle were calculated from the astronomical azimuth. Before this calculation could be performed, it was necessary to calculate the ellipsoidal coordinates. The direction angle (δ) was calculated by using the equation $\delta = \alpha - \mu + \Delta_{1-2} - \Delta\delta$, where α represents the astronomical azimuth, μ represents the projection meridian convergence, and Δ_{1-2} represents the second direction reduction. Orig. art. has: 2 figures and 8 formulas. [JPRS]

SUB CODE: 08 / SUBM DATE: none / ORIG REF: 003

Card 1/1 BLC

UDC: 528.236.5

NEMETH, Ferenc

A new system interval signal generator, which is a 15 Hz, 15 Hz,
280 01 1551

ca NEMETH, Gabriella

2

Dispersion of rotatory power and effect of solvent. *Publ. Akad. Sci. Hung. Sci. Ser. B* (1950). *Magyar Kém. Folyóirat* 56, 43-7(1950).—The investigation of rotation dispersion of *d*-tartaric acid in MeOH, EtOH, PrOH, iso-*i*-BuOH, dioxane, water, and mixts. of H₂O-EtOH and H₂O-dioxane in the interval 500-250 mμ, by means of a Kuhn quartz polarimeter or a Zeiss spectrograph, and in the visible region by a Schmidt-Hannsch polarimeter, generally affirmed the theory of the effect of solvents proposed by Hochmann and Marks (*C.A.* 54, 7674^u). The rotation dispersion curve of *d*-tartaric acid in an ideal dipole-free solvent was constructed by extrapolating the expl. data. This curve was nearly normal in the interval 500-250 mμ, and in the visible region seemed to correspond fully to the neg. rotation values. This proves that the abnormalities of the rotation dispersion curve of tartaric acid observed in certain solvents are exclusively due to the dipole effect of the solvent. *István Fényi*

1951.

HUNGARY / Diseases of Cultivated Plants.

6

Abs Jour : Ref Zhur - Biol., No. 9, 1958, No. 30613

Author : Nemeth, G.

Last : Not given

Title : Sterility of *Lupinus luteus* Connected with the Virus Leaf Disease "Uzhelichnost".

Orig Pub : Hovenyterstvo, 1956, No. 3, 411-411

Abstract : Yellow lupine (*Lupinus luteus*) in Hungary is often affected by a disease which externally resembles the virus disease "Uzhelichnost" but is not transmitted by grafting. It was found that this disease is caused by ecological conditions when the grass is sown sparsely. The disease is not encountered when the grass is sown densely and when the agricultural engineering is adequate. -- G. N. Mirshai-chenko.

Card 1/1

8

SZABO, Imre (Szeged, Kossuth sgt.35., Hungary); NEMETH, Gabor (Szeged, Kossuth sgt. 35., Hungary)

Effect of penicillin on Tetrahymena pyriformis, strain GL.II.
Changes in DNA/RNA ratio. Acta biol Hung 12 no.3:187-190 '61.

1. Institute of Biology, Medical University, Szeged (Head: L.Csik).

*

NEMETH, G.; CSIK, L. [deceased]

Effect of colchicine and ultraviolet irradiation on the size and shape of tetrahymena pyriformis Gl. Acta biol. 13 no.3:217-222 '62.

1. Department of Medical Biology, Medical University, Szeged.
(COLCHICINE) (ULTRAVIOLET RAYS) (TETRAHYMENA)

~~BE~~ NEMETH, G.

Distr: 4E3d

65. Application of the diffusion equation in designing the ventilation stacks of reactors. OT. Hoffmann, G. Németh. *A Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei* (Proceedings of the Central Research Institute for Physics of the Hungarian Academy of Sciences). Vol. 5, 1957, No. 6, pp. 582-588, 2 figs.

The radioactive impurity concentration issuing from a stack of given length is calculated on the basis of the simple theory of diffusion taking into account half life as well. Calculations cover the adsorbing (nerosol) and non-adsorbing (gas) cases with horizontal wind and without wind. The results can be utilized in the design of reactor stack.

HUNGARY/Solid State Physics - Effect of Irradiation on Structure and Properties E

Abs Jour : Ref Zhur Fizika, No 4, 1960, 8863

Author : Pal Lenard, Nemeth Geza

Inst : -

Title : Statistical Theory of Distortions Produced in the Lattice of a Solid Under the Influence of Fast Particles.

Orig Pub : Magyar tud. akad. Vozp fiz. Kutato int. Kozl., 1958, 6, No 4, 246-261, IV.

Abstract : In the case when neutrons of high energy penetrate into the crystal lattice and the crystal atoms which are set into motion interact with the remaining atoms in accordance with the law of collision of hard spheres, a distribution function is obtained for the number of displaced atoms.

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- 79 -

NEMETH, G.

19
2.41-50
4
Atmospheric diffusion of radioactive contamination from the stack of a reactor. Tibor Hoffmann and Olga Nemeth. *Magyar Tudományos Akad. Kiadv. Eseth. Fizika* 1958, 6, 275-84 (1958).—A formula is derived for the atm. diffusion of contamination which takes into account the correct boundary conditions and half-lives in the common diffusion problem. The radioactive gases are characterized by the boundary conditions that they are not absorbed at all on the surface, whereas aerosols are adsorbed on the ground, at least to some degree. The solution of the common diffusion equation is given with the proper boundary conditions by successive Hankel and Laplace transformations in an analytic form for the case of an impulse form discharge of contamination from the chimney. The concn. values thus obtained is multiplied by the factor taking into account the half-life and then integrated for certain sort of discharge of the chimney, for const. operation, etc. In the steady-state case the contamination piled up on the ground will be given by the value of the concn.; in the adsorbing case the contamination per unit surface is given by the time integral of the contamination current directed towards the surface, by taking also into account the half-life. E. Kass-

NEMETH, G.

A new potential function for diatomic molecules
 1955, G. NEMETH, A. KÖRÖSI, and J. KÖRÖSI
 Magyar Tudományos Akadémia (Hungarian Academy of Sciences)
 of the Central Research Institute for Physics of the Hungarian
 Academy of Sciences, Vol. 7, 1955, No. 1, pp. 281-311.

An empirical potential function for diatomic molecules is presented. The conditions based on physical considerations which must be satisfied by such an empirical potential function are determined and the known potential functions are discussed from this point of view. It is shown that the solution of the Schrödinger equation obtained in literature by the frequently used Morse function is not exact. The suggested new potential function satisfies the required conditions and leads to the exact solution of the Schrödinger equation. The considerations are restricted to the electronic ground state.

1-10P(6)

FOGARASSY, Balint; NEMETH, Geza

On the specific heat and thermal expansion of solids. Koz fiz kozl
MTA 7 no.5:312-330 '59. (EEAI 9:8)

1. A Magyar Tudomanyos Akademia Kozponti Fizikai Kutato Intezete,
Szilardtestfizikai Laboratorium.
(Solids)

PAL, Lenard; NEMETH, Geza

On the fluctuation of the slowing-down time of neutrons. Koz fiz
kozl MTA 7 no.6:347-351 '59. (EEAI 9:8)

1. Szilardtestfizikai Laboratorium, Kozponti Fizikai Kutato
Intezet, Magyar Tudomanyos Akademia.
(Neutrons)

KOSALY, Gyorgy; NEMETH, Geza

On the average and the fluctuation of the slowing down time of
neutrons. Koz fiz kozl MTA 7 no.6:352-356 '59. (EEAI 9:8)

1. Reaktorfizikai es Technikai Laboratorium es Szilardtestfizikai
Laboratorium, Kozponti Fizikai Kutato Intezet, Magyar Tudomanyos.
(Neutrons)

NEMETH, G.; HOFFMANN, T.

Calculation of the atmospheric diffusion of radioactive pollution coming from reactor chimneys. p.237.

ENERGIA ES ATOMTECHNIKA. Budapest, Hungary. Vol. 12, no. 4, Apr. 1969.

Monthly List of East European Accessions (MEAI), LC. Vol. 4, No. 4, September 1969
Uncl.

FOGARASSY, B.; NEMETH, G.

A new potential function for diatomic molecules. Acta phys Hung 11
no.3:265-275 '60. (EEAI 9:10)

1. Central Research Institute of Physics, Laboratory of Solid State
Physics, Budapest. Presented by L.Janossy.
(Molecules)

S 262 62 000 007 001 016
1007 1207

AUTHOR: Németh, Géza, Raszl. Károly, Szabados László, Szeghő, László and Torók, Antal
TITLE: Stable temperature distribution (in case of convective heat transfer) in a cylindrical fuel cell of the active zone of a heterogeneous nuclear reactor
PERIODICAL: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 7, 1962, 4, abstract 42.7.13. "Magyar tud. akad. Közp. fiz. kutató int. közl.", v. 9, no. 1-2, 1961, 3-23, III, IX [Abstracter's note: Original language Hungarian].

TEXT: A solution is presented of the differential equation for convective heat transfer in finite and infinite fuel elements. For exact solutions the coolant temperature can not be reproduced without knowing the temperature distribution in each fuel element. For the solution of the given equation the temperature distribution along the fuel element is assumed to be unknown. A comparison is given between exact and approximate solutions. There are 9 figures and 13 references.

[Abstracter's note: Complete translation.]

Card 1/1

S/058/62/000/005/067/119
A061/A101

AUTHOR: Németh, Géza

TITLE: Asymptotic methods to solve differential equations describing
lattice imperfections

PERIODICAL: Referativnyy zhurnal, Fizika, no. 5, 1962, 9, abstract 5E73
(Magyar tud. akad. Közép. fiz. kutató int. közl.", 1961, v. 9, no. 1 -
2, 43 - 56, IV, IX, Hungarian; Russian and English summaries)

TEXT: A thorough mathematical analysis has been made of equations consi-
dered in a previous paper of the author (RZhFiz, 1960, no. 1, 1188), which describe
the origination of imperfections in a solid bombarded by high-energy particles.

[Abstracter's note: Complete translation]

Card 1/1

NEMET, G.; RASZL, K.; SZAVADOS, L.; SZEGHO, L.; TOROK, A.

Steady temperature distribution in the roll symmetrical cell of the active zone of heterogeneous reactors in case of convective heat transmission. Energia es atom 14 no.12:560-565 D '61.

NEMETH, Geza

Notes on the calculation of harmonic oscillator perturbances..
Koz fiz kozl MTA 10 no.3:235-239 '62.

32721

H/008/62/000/001/172 022

B122/B102

26.2231

AUTHORS: Németh, G., Raszl, K., Szabados, L., Szele, L., Török, A.

TITLE: Steady-state heat distribution in a cylindrical-symmetric unit cell of the active zone of heterogeneous reactors in the case of convective heat transfer

PERIODICAL: Energia és Atomtechnika, ¹⁵no. 1, 1962, 41 - 46

TEXT: Part II. Determination of A_n coefficients. In Part I it was found that the solution of differential equation $T(r, z)$ was given by the sum of Laplace's equation (in the form of an infinite series) and of Poisson's equation (in closed form): $T(r, z) = T_0(r, z) + T_1(r, z)$ (51). In the solution of this differential equation the unknown coefficients A_n ($n = 0, 1, 2, 3, \dots$) arise. A practicable way of calculating these coefficients is the application of equation systems with an infinite number of unknowns. (Reference is made here and in the following to L. V. Kantorovich and V. I. Krylov: Approximate methods of higher analysis (Hungarian edition, Budapest, 1955)). By this method the following two

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B122/B102

Steady-state heat distribution...

equations are found to yield the system of equations with an infinite number of unknowns for the determination of the A_n .

$$A_0 = B_0 - \sum_{n=1}^{\infty} A_n \frac{r_n}{1B_n} [1 - (-1)^n] \quad (n = 1, 2, 3, \dots) \quad (73) \text{ and}$$

$$A_k = \frac{B_k}{p_k} - \frac{1}{p_k} \sum_{n=1}^{\infty} A_n \frac{2r_n \beta_n}{1(\beta_n^2 - \beta_k^2)} [1 - (-1)^{n+k}] \quad (74) \quad (n = 1, 2, \dots, k-1, (k+1), \dots)$$

Coefficients B_0 and B_k are computable Fourier coefficients of $f(x)$. By substitution of $A_k p_k = X_k$ into equation (74), this equation is transformed to a system of entirely regular equations having (according to a thesis of Kantorovich-Krylov) but one solution which can be determined by the method of successive approximations. $B_k = O(1/k^2)$; from a thesis of the above Soviet authors it follows that $X_k = O(1/k^2)$, for the unique solution of the entirely regular equation system.
 Card 2/4

Steady-state heat distribution.

272-
008/2/001
5102/5102

272- In zeroth approximation $A_k^{(0)} = 0$, or first $A_k^{(1)} = B_k^{(1)}$. Coefficients A_k and B_k have been computed with data given in Part 1 and are plotted as functions of k . In the following the differential equation of heat transfer for an infinitely long fuel element is solved. Against the correct solution of the differential equation of temperature distribution in the fuel element $T(r, z)$ and the longitudinal temperature distribution $t(z)$ in the coolant (see Part 1, axial heat transfer (in direction z) is neglected here) (see Part 1, $\partial^2 T / \partial z^2 = 0$). This neglect is considered, the corresponding approximate solutions $T^*(r, z)$ and $t^*(z)$ are obtained. Correct and approximate solutions are compared in the following. From Fig. 1 temperature distribution in three given cross sections of the fuel element and those for the longitudinal temperature distribution in the coolant, it is evident that differences between results of the approximate calculations amount to a few % for the former, and hundredths of % for the latter. The error resulting from the neglect of axial heat transfer increases with the cross section of the fuel element.

1972.

1. JOURNAL OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 91(1)/P101

Steady-state heat distribution

and with its thermal conductivity, and increased with the
 the slenderness ratio of the fuel element. The effect of the
 conductivity of its material is also studied. The maximum
 temperature, especially at the center-line, is determined.
 The differential equations have been solved for the case
 where are 9 figures and 15 references. 12 3 101 101 101

33 CIAL 17 2. JOURNAL OF THE AMERICAN SOCIETY OF MECHANICAL ENGINEERS
 of Physics.

101 101

NEAETH, Gena

Polynomial in x and y is a function of x and y in the domain $\mathbb{R}^2$ is $f(x,y)$.
621-623 1-2-3-4-5-6-7-8-9-10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-100-101-102-103-104-105-106-107-108-109-110-111-112-113-114-115-116-117-118-119-120-121-122-123-124-125-126-127-128-129-130-131-132-133-134-135-136-137-138-139-140-141-142-143-144-145-146-147-148-149-150-151-152-153-154-155-156-157-158-159-160-161-162-163-164-165-166-167-168-169-170-171-172-173-174-175-176-177-178-179-180-181-182-183-184-185-186-187-188-189-190-191-192-193-194-195-196-197-198-199-200-201-202-203-204-205-206-207-208-209-210-211-212-213-214-215-216-217-218-219-220-221-222-223-224-225-226-227-228-229-230-231-232-233-234-235-236-237-238-239-240-241-242-243-244-245-246-247-248-249-250-251-252-253-254-255-256-257-258-259-260-261-262-263-264-265-266-267-268-269-270-271-272-273-274-275-276-277-278-279-280-281-282-283-284-285-286-287-288-289-290-291-292-293-294-295-296-297-298-299-300-301-302-303-304-305-306-307-308-309-310-311-312-313-314-315-316-317-318-319-320-321-322-323-324-325-326-327-328-329-330-331-332-333-334-335-336-337-338-339-340-341-342-343-344-345-346-347-348-349-350-351-352-353-354-355-356-357-358-359-360-361-362-363-364-365-366-367-368-369-370-371-372-373-374-375-376-377-378-379-380-381-382-383-384-385-386-387-388-389-390-391-392-393-394-395-396-397-398-399-400-401-402-403-404-405-406-407-408-409-410-411-412-413-414-415-416-417-418-419-420-421-422-423-424-425-426-427-428-429-430-431-432-433-434-435-436-437-438-439-440-441-442-443-444-445-446-447-448-449-450-451-452-453-454-455-456-457-458-459-460-461-462-463-464-465-466-467-468-469-470-471-472-473-474-475-476-477-478-479-480-481-482-483-484-485-486-487-488-489-490-491-492-493-494-495-496-497-498-499-500-501-502-503-504-505-506-507-508-509-510-511-512-513-514-515-516-517-518-519-520-521-522-523-524-525-526-527-528-529-530-531-532-533-534-535-536-537-538-539-540-541-542-543-544-545-546-547-548-549-550-551-552-553-554-555-556-557-558-559-560-561-562-563-564-565-566-567-568-569-570-571-572-573-574-575-576-577-578-579-580-581-582-583-584-585-586-587-588-589-590-591-592-593-594-595-596-597-598-599-600-601-602-603-604-605-606-607-608-609-610-611-612-613-614-615-616-617-618-619-620-621-622-623-624-625-626-627-628-629-630-631-632-633-634-635-636-637-638-639-640-641-642-643-644-645-646-647-648-649-650-651-652-653-654-655-656-657-658-659-660-661-662-663-664-665-666-667-668-669-670-671-672-673-674-675-676-677-678-679-680-681-682-683-684-685-686-687-688-689-690-691-692-693-694-695-696-697-698-699-700-701-702-703-704-705-706-707-708-709-710-711-712-713-714-715-716-717-718-719-720-721-722-723-724-725-726-727-728-729-730-731-732-733-734-735-736-737-738-739-740-741-742-743-744-745-746-747-748-749-750-751-752-753-754-755-756-757-758-759-760-761-762-763-764-765-766-767-768-769-770-771-772-773-774-775-776-777-778-779-780-781-782-783-784-785-786-787-788-789-790-791-792-793-794-795-796-797-798-799-800-801-802-803-804-805-806-807-808-809-810-811-812-813-814-815-816-817-818-819-820-821-822-823-824-825-826-827-828-829-830-831-832-833-834-835-836-837-838-839-840-841-842-843-844-845-846-847-848-849-850-851-852-853-854-855-856-857-858-859-860-861-862-863-864-865-866-867-868-869-870-871-872-873-874-875-876-877-878-879-880-881-882-883-884-885-886-887-888-889-890-891-892-893-894-895-896-897-898-899-900-901-902-903-904-905-906-907-908-909-910-911-912-913-914-915-916-917-918-919-920-921-922-923-924-925-926-927-928-929-930-931-932-933-934-935-936-937-938-939-940-941-942-943-944-945-946-947-948-949-950-951-952-953-954-955-956-957-958-959-960-961-962-963-964-965-966-967-968-969-970-971-972-973-974-975-976-977-978-979-980-981-982-983-984-985-986-987-988-989-990-991-992-993-994-995-996-997-998-999-1000-1001-1002-1003-1004-1005-1006-1007-1008-1009-1010-1011-1012-1013-1014-1015-1016-1017-1018-1019-1020-1021-1022-1023-1024-1025-1026-1027-1028-1029-1030-1031-1032-1033-1034-1035-1036-1037-1038-1039-1040-1041-1042-1043-1044-1045-1046-1047-1048-1049-1050-1051-1052-1053-1054-1055-1056-1057-1058-1059-1060-1061-1062-1063-1064-1065-1066-1067-1068-1069-1070-1071-1072-1073-1074-1075-1076-1077-1078-1079-1080-1081-1082-1083-1084-1085-1086-1087-1088-1089-1090-1091-1092-1093-1094-1095-1096-1097-1098-1099-1100-1101-1102-1103-1104-1105-1106-1107-1108-1109-1110-1111-1112-1113-1114-1115-1116-1117-1118-1119-1120-1121-1122-1123-1124-1125-1126-1127-1128-1129-1130-1131-1132-1133-1134-1135-1136-1137-1138-1139-1140-1141-1142-1143-1144-1145-1146-1147-1148-1149-1150-1151-1152-1153-1154-1155-1156-1157-1158-1159-1160-1161-1162-1163-1164-1165-1166-1167-1168-1169-1170-1171-1172-1173-1174-1175-1176-1177-1178-1179-1180-1181-1182-1183-1184-1185-1186-1187-1188-1189-1190-1191-1192-1193-1194-1195-1196-1197-1198-1199-1200-1201-1202-1203-1204-1205-1206-1207-1208-1209-1210-1211-1212-1213-1214-1215-1216-1217-1218-1219-1220-1221-1222-1223-1224-1225-1226-1227-1228-1229-1230-1231-1232-1233-1234-1235-1236-1237-1238-1239-1240-1241-1242-1243-1244-1245-1246-1247-1248-1249-1250-1251-1252-1253-1254-1255-1256-1257-1258-1259-1260-1261-1262-1263-1264-1265-1266-1267-1268-1269-1270-1271-1272-1273-1274-1275-1276-1277-1278-1279-1280-1281-1282-1283-1284-1285-1286-1287-1288-1289-1290-1291-1292-1293-1294-1295-1296-1297-1298-1299-1300-1301-1302-1303-1304-1305-1306-1307-1308-1309-1310-1311-1312-1313-1314-1315-1316-1317-1318-1319-1320-1321-1322-1323-1324-1325-1326-1327-1328-1329-1330-1331-1332-1333-1334-1335-1336-1337-1338-1339-1340-1341-1342-1343-1344-1345-1346-1347-1348-1349-1350-1351-1352-1353-1354-1355-1356-1357-1358-1359-1360-1361-1362-1363-1364-1365-1366-1367-1368-1369-1370-1371-1372-1373-1374-1375-1376-1377-1378-1379-1380-1381-1382-1383-1384-1385-1386-1387-1388-1389-1390-1391-1392-1393-1394-1395-1396-1397-1398-1399-1400-1401-1402-1403-1404-1405-1406-1407-1408-1409-1410-1411-1412-1413-1414-1415-1416-1417-1418-1419-1420-1421-1422-1423-1424-1425-1426-1427-1428-1429-1430-1431-1432-1433-1434-1435-1436-1437-1438-1439-1440-1441-1442-1443-1444-1445-1446-1447-1448-1449-1450-1451-1452-1453-1454-1455-1456-1457-1458-1459-1460-1461-1462-1463-1464-1465-1466-1467-1468-1469-1470-1471-1472-1473-1474-1475-1476-1477-1478-1479-1480-1481-1482-1483-1484-1485-1486-1487-1488-1489-1490-1491-1492-1493-1494-1495-1496-1497-1498-1499-1500-1501-1502-1503-1504-1505-1506-1507-1508-1509-1510-1511-1512-1513-1514-1515-1516-1517-1518-1519-1520-1521-1522-1523-1524-1525-1526-1527-1528-1529-1530-1531-1532-1533-1534-1535-1536-1537-1538-1539-1540-1541-1542-1543-1544-1545-1546-1547-1548-1549-1550-1551-1552-1553-1554-1555-1556-1557-1558-1559-1560-1561-1562-1563-1564-1565-1566-1567-1568-1569-1570-1571-1572-1573-1574-1575-1576-1577-1578-1579-1580-1581-1582-1583-1584-1585-1586-1587-1588-1589-1590-1591-1592-1593-1594-1595-1596-1597-1598-1599-1600-1601-1602-1603-1604-1605-1606-1607-1608-1609-1610-1611-1612-1613-1614-1615-1616-1617-1618-1619-1620-1621-1622-1623-1624-1625-1626-1627-1628-1629-1630-1631-1632-1633-1634-1635-1636-1637-1638-1639-1640-1641-1642-1643-1644-1645-1646-1647-1648-1649-1650-1651-1652-1653-1654-1655-1656-1657-1658-1659-1660-1661-1662-1663-1664-1665-1666-1667-1668-1669-1670-1671-1672-1673-1674-1675-1676-1677-1678-1679-1680-1681-1682-1683-1684-1685-1686-1687-1688-1689-1690-1691-1692-1693-1694-1695-1696-1697-1698-1699-1700-1701-1702-1703-1704-1705-1706-1707-1708-1709-1710-1711-1712-1713-1714-1715-1716-1717-1718-1719-1720-1721-1722-1723-1724-1725-1726-1727-1728-1729-1730-1731-1732-1733-1734-1735-1736-1737-1738-1739-1740-1741-1742-1743-1744-1745-1746-1747-1748-1749-1750-1751-1752-1753-1754-1755-1756-1757-1758-1759-1760-1761-1762-1763-1764-1765-1766-1767-1768-1769-1770-1771-1772-1773-1774-1775-1776-1777-1778-1779-1780-1781-1782-1783-1784-1785-1786-1787-1788-1789-1790-1791-1792-1793-1794-1795-1796-1797-1798-1799-1800-1801-1802-1803-1804-1805-1806-1807-1808-1809-1810-1811-1812-1813-1814-1815-1816-1817-1818-1819-1820-1821-1822-1823-1824-1825-1826-1827-1828-1829-1830-1831-1832-1833-1834-1835-1836-1837-1838-1839-1840-1841-1842-1843-1844-1845-1846-1847-1848-1849-1850-1851-1852-1853-1854-1855-1856-1857-1858-1859-1860-1861-1862-1863-1864-1865-1866-1867-1868-1869-1870-1871-1872-1873-1874-1875-1876-1877-1878-1879-1880-1881-1882-1883-1884-1885-1886-1887-1888-1889-1890-1891-1892-1893-1894-1895-1896-1897-1898-1899-1900-1901-1902-1903-1904-1905-1906-1907-1908-1909-1910-1911-1912-1913-1914-1915-1916-1917-1918-1919-1920-1921-1922-1923-1924-1925-1926-1927-1928-1929-1930-1931-1932-1933-1934-1935-1936-1937-1938-1939-1940-1941-1942-1943-1944-1945-1946-1947-1948-1949-1950-1951-1952-1953-1954-1955-1956-1957-1958-1959-1960-1961-1962-1963-1964-1965-1966-1967-1968-1969-1970-1971-1972-1973-1974-1975-1976-1977-1978-1979-1980-1981-1982-1983-1984-1985-1986-1987-1988-1989-1990-1991-1992-1993-1994-1995-1996-1997-1998-1999-2000-2001-2002-2003-2004-2005-2006-2007-2008-2009-2010-2011-2012-2013-2014-2015-2016-2017-2018-2019-2020-2021-2022-2023-2024-2025-2026-2027-2028-2029-2030-2031-2032-2033-2034-2035-2036-2037-2038-2039-2040-2041-2042-2043-2044-2045-2046-2047-2048-2049-2050-2051-2052-2053-2054-2055-2056-2057-2058-2059-2060-2061-2062-2063-2064-2065-2066-2067-2068-2069-2070-2071-2072-2073-2074-2075-2076-2077-2078-2079-2080-2081-2082-2083-2084-2085-2086-2087-2088-2089-2090-2091-2092-2093-2094-2095-2096-2097-2098-2099-2100-2101-2102-2103-2104-2105-2106-2107-2108-2109-2110-2111-2112-2113-2114-2115-2116-2117-2118-2119-2120-2121-2122-2123-2124-2125-2126-2127-2128-2129-2130-2131-2132-2133-2134-2135-2136-2137-2138-2139-2140-2141-2142-2143-2144-2145-2146-2147-2148-2149-2150-2151-2152-2153-2154-2155-2156-2157-2158-2159-2160-2161-2162-2163-2164-2165-2166-2167-2168-2169-2170-2171-2172-2173-2174-2175-2176-2177-2178-2179-2180-2181-2182-2183-2184-2185-2186-2187-2188-2189-2190-2191-2192-2193-2194-2195-2196-2197-2198-2199-2200-2201-2202-2203-2204-2205-2206-2207-2208-2209-2210-2211-2212-2213-2214-2215-2216-2217-2218-2219-2220-2221-2222-2223-2224-2225-2226-2227-2228-2229-2230-2231-2232-2233-2234-2235-2236-2237-2238-2239-2240-2241-2242-2243-2244-2245-2246-2247-2248-2249-2250-2251-2252-2253-2254-2255-2256-2257-2258-2259-2260-2261-2262-2263-2264-2265-2266-2267-2268-2269-2270-2271-2272-2273-2274-2275-2276-2277-2278-2279-2280-2281-2282-2283-2284-2285-2286-2287-2288-2289-2290-2291-2292-2293-2294-2295-2296-2297-2298-2299-2300-2301-2302-2303-2304-2305-2306-2307-2308-2309-2310-2311-2312-2313-2314-2315-2316-2317-2318-2319-2320-2321-2322-2323-2324-2325-2326-2327-2328-2329-2330-2331-2332-2333-2334-2335-2336-2337-2338-2339-2340-2341-2342-2343-2344-2345-2346-2347-2348-2349-2350-2351-2352-2353-2354-2355-2356-2357-2358-2359-2360-2361-2362-2363-2364-2365-2366-2367-2368-2369-2370-2371-2372-2373-2374-2375-2376-2377-2378-2379-2380-2381-2382-2383-2384-2385-2386-2387-2388-2389-2390-2391-2392-2393-2394-2395-2396-2397-2398-2399-2400-2401-2402-2403-2404-2405-2406-2407-2408-2409-2410-2411-2412-2413-2414-2415-2416-2417-2418-2419-2420-2421-2422-2423-2424-2425-2426-2427-2428-2429-2430-2431-2432-2433-2434-2435-2436-2437-2438-2439-2440-2441-2442-2443-2444-2445-2446-2447-2448-2449-2450-2451-2452-2453-2454-2455-2456-2457-2458-2459-2460-2461-2462-2463-2464-2465-2466-2467-2468-2469-2470-2471-2472-2473-2474-2475-2476-2477-2478-2479-2480-2481-2482-2483-2484-2485-2486-2487-2488-2489-2490-2491-2492-2493-2494-2495-2496-2497-2498-2499-2500-2501-2502-2503-2504-2505-2506-2507-2508-2509-2510-2511-2512-2513-2514-2515-2516-2517-2518-2519-2520-2521-2522-2523-2524-2525-2526-2527-2528-2529-2530-2531-2532-2533-2534-2535-2536-2537-2538-2539-2540-2541-2542-2543-2544-2545-2546-2547-2548-2549-2550-2551-2552-2553-2554-2555-2556-2557-2558-2559-2560-2561-2562-2563-2564-2565-2566-2567-2568-2569-2570-2571-2572-2573-2574-2575-2576-2577-2578-2579-2580-2581-2582-2583-2584-2585-2586-2587-2588-2589-2590-2591-2592-2593-2594-2595-2596-2597-2598-2599-2600-2601-2602-2603-2604-2605-2606-2607-2608-2609-2610-2611-2612-2613-2614-2615-2616-2617-2618-2619-2620-2621-2622-2623-2624-2625-2626-2627-2628-2629-2630-2631-2632-2633-2634-2635-2636-2637-2638-2639-2640-2641-2642-2643-2644-2645-2646-2647-2648-2649-2