

NEDELUCU, Gheorghe, candidat in stiinta economice

Computing the mutual expenses between auxiliary sections. Metalurgia
constr mas 13 no.10:895-902 0 '61.

(Industrial management)

NEDELCH, MARIANA

Nedelcu, Mariana. Le polynôme aréolaire d'ordre n dans l'espace à trois dimensions. Acad. R. P. Romine. Stud. Cerc. Mat. 7 (1956), 197-237. (Romanian. Russian and French summaries)

Let ψ be a 4×1 -matrix, the elements of which are functions of the real variables x, y, z . If the elements belong to class C^1 , the areolar derivative of ψ is defined by the symbolic matrix equation

$$D\psi = \begin{bmatrix} 0 & \frac{\partial}{\partial x} & \frac{\partial}{\partial y} & \frac{\partial}{\partial z} \\ \frac{\partial}{\partial x} & 0 & -\frac{\partial}{\partial z} & \frac{\partial}{\partial y} \\ \frac{\partial}{\partial y} & \frac{\partial}{\partial z} & 0 & -\frac{\partial}{\partial x} \\ \frac{\partial}{\partial z} & -\frac{\partial}{\partial y} & \frac{\partial}{\partial x} & 0 \end{bmatrix} \psi$$

If the elements do not belong to C^1 , $D\psi$ is defined by a more general formula, involving integration over a closed surface. If $D^{n+1}\psi = 0$, ψ is called an areolar polynomial of order n . The author studies these polynomials, and obtains a number of theorems which somewhat resemble

1-FW
3

1/3

NEDELICU, MARIANA

3

elementary theorems concerning analytic functions of a complex variable. These results include series representations of the polynomials and representations in terms of integrals taken over the boundary of the domain considered. The author states, but does not elaborate on the remark, that the results are useful in connection with boundary value problems relating to partial differential equations.

1-FW

L. A. MacColl (New York, N.Y.)

2/3

from

abif

MEDELCU, M.

MEDELCU, M. Radiation formulas for the areolar polynomial of order n in a space of three dimensions. p. 51.

Vol. 8, no. 1, Jan./Mar. 1956

BULATIN ȘTIINȚIFIC.

SCIENCE

RUMANIA

So: East European Accession, Vol. 4, No. 5, May 1957

NEDELCU, M.

NEDELCU, M. Some circuits with time-delay relays and with intensity relays. p. 363. Vol. 8, no. 2, Apr./June 1956. BULETINUL SCIENTIFIC. Bucuresti, Rumania.

SOURCE: East European Accessions List (EEAL) Vol. 6, No. 4--April 1957

Handwritten text, possibly a signature or initials.

MOISIL, G., NEDELSCU, N.

MOISIL, G.; NEDELSCU, N. Analysis, synthesis and simplification, by direct control, of the schemes with contacts and flaps. p. 469.

Vol. 6, no. 3, July/Sept. 1956

BULETEN STIINTIFIC.

SCIENCE

RUMANIA

So: East European Accession, Vol. 6, no.5, May 1957

NEDELCU III.

The Morera Theorem for Areolar Polynomials of the n Order in a Three Dimensional Space

Nedelcu, Mariana. Le théorème de Morera pour le ² polynôme areolaire d'ordre n dans l'espace a trois dimensions. Bull. Math. Soc. Sci. Math. Phys. R. P. Roumaine (N.S.) 1 (49) (1957), 309-326. 1-FW

This is a continuation of previous papers by the author on the theory of areolar polynomials (Acad. R. P. Roumaine. Stud. Cerc. Mat. 7 (1956), 197-237; Acad. R. P. Roumaine. Bul. Sti. Sect. Sti. Mat. Fiz. 8 (1956), 51-58; MR 18, 646; 19, 257). Two theorems analogous to Morera's theorem are proved. L. A. MacColl (New York, N.Y.)

NEDELICU, M.

Electronic circuits with relay functioning. p. 93

COMUNICARILE, Bucuresti, Rumania. Vol. 8. no. 9, Sept. 1958

Monthly list of European Accessions (EEAI) LC, Vol. 8, no. 8, 1959 (Aug.)

Uncl.

NEDELCO, Mariana

Theory of the areolar polynomials in the space with n dimensions.
I. Areolar polynomial of the first order. Rev math pures 4 no.4:
693-723 '59. (EEAI 10:9)

(Polynomials) (Spaces, Generalized)
(Dimensional analysis) (Matrices)
(Harmonic functions)

NEDELCU, Mariana

The theory of the areolar polynomials in the n -dimensional space.
II. The n -order areolar polynomial. Rev math pures 5 no.1:121-168
'60. (REAI 10:9)

(Polynomials) (Dimensional analysis) (Matrices)
(Spaces, Generalized) (Calculus, Operational)

NEDELCO, Maiana

An application of the spatial derivative to the equations of elasticity
in space. Rev math pures 5 no.3/4:549-572 '60. (EEAI 10:5)
(Spaces, Generalized) (Elasticity) (Viscosity)
(Boundary value problems) (Integral equations)

S/044/02/000/000/042/12"
B100/B112

author:

Nedelcu, Mariana

title:

Representation of a space derivative to equations in the three-dimensional theory of elasticity

reference:

Referativnyi Zhurnal. Matematika, no. 1, 1967, 57, abstract 68300 (Dokl. Akad. Nauk, v. 10, no. 10, 1960, 775-634)

text: The equations

$$\Delta \vec{u} + \text{grad div } \vec{u} = 0$$

of the static theory of elasticity are identically satisfied if we take

$$\begin{aligned}
 (1 + \alpha) \text{ div } \vec{u} &= \varphi_0, & \text{curl } \vec{u} &= \\
 & & & \begin{matrix} \varphi_1 \\ \varphi_2 \\ \varphi_3 \end{matrix}
 \end{aligned}$$

Card 1/2

the application of a space derivative ... 3, 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

and determine the four-dimensional vectors x_1, x_2, x_3, x_4 and x_5, x_6, x_7, x_8 from the equations

$$x_1 = 0, x_2 = 0,$$

and the system of linear equations of first-order differentials with constant coefficient. The equations set up are solved with the method of space derivative (De Giorgi, N., Ann. mat. pura ed appl., v. 41, 1957, 325-360), and an analog of the Green formula of the type of G. G. L. formula (Klein, 1955, 235). Functional equations and boundary problems are set up. Abstracter's note: Complete translation.

NEDEJCU, Mariana Coroi

"The dynamics of automatic control systems" by I. Popov.
Reviewed by Mariana Coroi Nedelcu. Rev math Roum 9 no.2:
199-200 1964.

"The Hilbert spaces with nuclear functions" by Herbert Besicovitch.
Reviewed by Mariana Coroi Nedelcu. Rev math Roum 9
no.2:199-201 1964.

NEDELIC, N.

TECHNOLOGY

Periodicals: ELECTROTEHNIKA. Vol. 4, No. 7, July 195

NEDELIC, N. On the expression of the electromagnetic couple developed by the asynchronous machine. p. 23

Monthly List of East European Acquisitions (FEA) LC, Vol. , No. 2,
February 195, Unclass.

NEDELCO, Oscar, Ing.

Computing the torsion of the two-pole supports in transmission lines, assembled with flanges. Energetica Rum 8 no.4:158-167 Ap '60.

NEDELCO, Oscar, ing.

Calculation of some pylons for electric power installations.
Energetica Rum 11 no.7:338-344 J1 '63.

NEDELCU, Vasile N., ing., candidat in stiinte teh. (Bucuresti)

Instantaneous complex apparent power of sinusoidal systems.
Electrotehnica II no.4:121-124 Ap '63.

1. Conferentiar la Catedra de masini electrice din Institutul
politehnic - Bucuresti si sef de sectie la IETC.

BOȘTESCU, S. (Bucuresti); NEDELCU, Victor (Bucuresti)

on some porphyrogenous rocks of the Eastern Carpathians. Natura
Geografie 13 no.3:51-53 May-June 1961.

1. The first part of the report deals with the general situation in the country, the political situation, and the influence of the international situation.

2. The second part of the report deals with the economic situation.

3. The third part of the report deals with the social situation.

4. The fourth part of the report deals with the cultural situation.

5. The fifth part of the report deals with the foreign relations of the country.

NEDELICU, V.: CRETU, D.: APETREI, C.

Determination of the response speed of synchronous generator exciters. p. 49.
(ELECTROTEHNICA. Vol. 5, No. 2, Feb. 1957, Rumania)

SO: Monthly List of East European Accessions (EEAL) LC. Vol. 6, No. 12, Dec. 1957
Uncl.

NEDELCU, V.

"Relative-unit systems used in the synchronous-machine theory."

p. 106 (Electrotehnica) Vol. 5, no. 4, Apr. 1957
Bucharest, Rumania

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

NEDELCU, V.

"Electromagnetic couple developed from the synchronous machine at the moment of its connection to the network by means of the self-synchronization method."

p. 371 (Electrotehnica) Vol. 5, no. 11, Nov. 1957
Bucharest, Rumania

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

NEDELCU, Vasile, ing., conf., candidat in stiinte tehnice (Bucuresti)

Additional losses of the asynchronous machines under load.
Electrotehnica 9 no.12:423-432 D '61.

1. Institutul politehnic din Bucuresti.

NEDELCU, V.N., candidat in stiinte tehnice, conf. (Bucuresti):

On the expression of the reactive power of synchronous machines.
Electrotehnica 11 no.1:11-13 Ja '63.

1. Catedra de masini electrice din Institutul Politehnic Bucuresti,
sef de sectie la Institutul de Cercetari Electrotehnice.

NEDELICU, Vasile N., candidat stiinte tehnice (Bucuresti)

Definition of nonsymmetrical power. Electrotehnica 11
no. 5:161-163 My '63.

1. Conferentiar la Catedra de masini electrice din Institutul Politehnic Bucuresti si sef de sectie la Institutul de Cercetari Electrotehnice.

NEDELICU, Vasile N., candidat in stiinte tehnice (bucuresti)

On the written form of the general equations of synchronous machines. Electrotehnica 11 no.6: 04-214 Je '63.

1. Conferentiar la Institutul Politehnic Bucuresti, si sef de sectie la Institutul de Cercetari Electrotehnice.

NEDELICU, Vasile N., (author) ()

On the definition of apparent power in asymmetric three-phase systems. Electrotehnica 11 no.8:281-285 Ag'63.

1. Conferentiar la I.P.B. si sef de sectie la Institutul de Cercetari Electrotehnice.

... ..
... ..
... ..
... ..
... ..

NEDELCO, Vasile N.

A new method for establishing synchronous machine equations.
Bul Inst Politeh 25 no.3:113-132 My-Je '63.

1. Lehrstuhl für elektrotechnik Technischen Hochschule, Bukarest.

NEDELCH, V.N.

Definition of structure of the systems. Full list of the systems.

1. Department of Planning, Ministry of Foreign Affairs, Institute.

L 63736-65 EPA(a)-2

ACCESSION NR: AP5022057

RU/0004/64/000/012/0457/0461

AUTHOR: Nedelcu, V. N.⁵⁵ (Candidate of technical sciences, Lecturer)(Bucharest)

TITLE: Concerning the deduction of voltage equations of asynchronous machines ²⁹

SOURCE: Electrotehnica, no. 12, 1964, 457-461. ^{44 55}

TOPIC TAGS: electric rotating equipment, electric engineering, coordinate system

Abstract [Author's English summary modified]: The general working equations of asynchronous machines with double supply systems are derived with the help of the representative phasors, and are adapted for the case of continuous operation. The importance of specifying the reference coordinate system is stressed, and the phase relations of the voltages are discussed.

25
22
B

Orig. art. has: 2 figures, 23 formulas.

Card 1/2

L 63736-65
ACCESSION NR: AP5022057
ASSOCIATION: Institutul politehnic, Bucharest (Politechnical Institute) ^{4155 3}

SUBMITTED: 203ep64 ENCL: 00 SUB CODE: EE, MA
NR REL SOV: 002 OTHER: 008 JPRS

Handwritten:
Card 2/2

NEDELKU, V.N. [Nedelcu, V.N.], kand.tekhn.nauk, docent

Effective form for writing the equations of a synchronous motor.
Izv.vys.ucheb.zav.; elektromekh. 7 no.12:1414-1415, 1964.

MIK 1811

1. Kafedra elektricheskikh mashin Bukharestskogo politehnicheskogo instituta.

ROMANIA/Chemical Technology, Chemical Products and
Their Uses. Part III. Food Industry.

Abstr. June. Ref. Zh. Khimiya, 1951, 15, 1951, 51936

Author : Medulescu, Constantin
Last : -
Title : Purification of Meat Products.

Orig. In : Rev. Ind. Aliment. Prod. Chim. 1951,
No. 3, 16-19

Abstract : A complex of sanitary and hygienic fac-
tor concerning the site selection and in-
stallation of slaughter houses, enclosures
for cattle destined for slaughter, rules
for slaughtering and carcass cutting, so as
to prevent meat spoilage, is presented. --
A. Marin

Cards : 1/1

103

NEDELEA, C.

TECHNOLOGY

Periodical: RIVISTA INDUSTRIALE ALIMENTARE. PER L'USO ANIMALE. No. 7,
1998.

NEDELEA, C. Salubrity of products in refrigerators. p. 3.
Collection, conditions of use and transportation of products in
refrigerators, a problem to be solved without delay. p. 3.

Monthly List of East European Academies (E. A.), No. 2, 3
June 1998, p. 11.

NEDELEA, C.

TECHNOLOGY

Periodical: REVISTA INDUSTRIEI ALIMENTARE. PRODUSE ANIMALE. No. 4, 1958.

NEDELEA, C. The salubrity of meat in cold storage. II. p. 17.

Monthly List of East European Accession (EEAI) LC, Vol. 8, no. 3
March 1959 Unclass.

STEOPOE, I.; NEDELEA, M.; DRAGOTOIU, C.

Existence of the undulating membranes in the blastomeres of *Cyprinus carpio*. *Rev biol* 7 no.2:215-219 '62.

1. Facult  des Sciences naturelles de l'Universit  de Bucarest, Chaire d'anatomie.

OLARIU, A.; BITTNER, J.; VITHEANU, V.; KRANZDORF, G.
Collaboration technique. NEANSE, Victoria, Virginia, Florida;
OLARIU, Rodica

Research on an anaerobe polytoxoid. IV. Preliminary data on
experimental active immunization with a concentrated and
purified gangrenous tritoxoid adsorbed on aluminum phosphate.
Arch. roum. path. exp. microbiol. 1978; 23: 1-10.

1. Laboratoire de la Gangrene, Bucarest, Roumanie, 2. Laboratoire de Purification et de Stabilisation des
Kranzdorf, "Travail de l'Institut de l'Immunisation",
Bucarest.

NEDELESCU, C.

The attack on abysses. St al Teh Buc 16 no.4:22-25 Ap '44.

NEDELESCU, I.

"General characteristics of subsonic and supersonic movement." p. 19 (Aviatia Sportiva, Vol. 4, No. 5, May 1953, Bucuresti).

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

NEDELESCU, I.

Experimental Determination of the Distribution of Wind Pressure on
Roofs of Tribunes. Studii Si Cercetari De Mecanica Aplicata (Studies and
Research in Applied Mechanics), #1-2:59:Jan-Jun 55

NEDELESCU, I.

Experimental Determination of the distribution of pressure caused by winds upon
roofs of grandstands. p. 59. STUDII SI CERCETARI DE MECANICA APLICATA.

Bucaresti.

Vol. 6, no. 1/2, Jan./June 1956.

SOURCE: East European Accessions List, (EEAL), Library of Congress,
Vol. 5, No. 11, November, 1956.

80424

RUM/8-59-1-21/24

1.1000

AUTHOR: Nedelesou, I.

TITLE: On a Supersonic Wind Tunnel With Continuous Operation in an Open Circuit

PERIODICAL: Studii si Cercetări de Mecanică Aplicată, 1959, Nr 1, pp 287 - 301 (RUM)

ABSTRACT: This article deals with an open-circuit supersonic wind tunnel of reduced proportions, constructed at the Institutul de mecanică aplicată (Institute of Applied Mechanics) and put into operation on April 1, 1957. It consists of a collecting funnel, a Laval nozzle, a testing chamber, a diffuser and a compressor. The air is sucked in through the collecting funnel from the laboratory room and, passing through all parts of the wind tunnel, is exhausted to the exterior of the building. The Laval nozzle, the testing chamber and the first section of the diffuser are located in a rectangular tunnel with the internal dimensions of 163 x 50 mm. The upper and the lower walls of this tunnel consist of two steel spars, held together by four steel plates, located on either side of the spar ends. The side walls consist of two 22-mm thick crystal windows, 1,340 x 160 mm each. All parts are fixed by screws or studs and nuts, provided with a special rubber packing set. The collecting funnel and the diffuser are made from 3-mm welded steel sheets. The compressor, equipped

Card 1/4

✓

30424

RUM/8-59-1-21/24

On a Supersonic Wind Tunnel With Continuous Operation in an Open Circuit

with a handcontrol lever, has been taken from a "Jumo-211" aircraft engine, and has two hydraulically controlled speeds: 21,120 rpm and 29,760 rpm, in function of an engine revolution of 2,400 rpm. It is driven by an asynchronous electric motor with a nominal power of 125 kw at 1,460 rpm. The power transmission from the electric motor to the compressor is accomplished by V-belts, including the necessary revolution increase from 1,460 rpm to 2,400 rpm. The compressor and the electric motor are installed on a common support. The lubrication of the compressor is accomplished by an oilpump located in the gear housing, which pumps the lubricating oil from a container assembled on the foundation near the compressor. Emptying of the oil pump and repumping of the oil into the container is accomplished by a separate pump, driven by a small electric motor (1.7 kw at 2,900 rpm). The motor is started together with the compressor driving motor. The lubrication circuit of the compressor has been slightly modified. Cooling of the lubricating oil is not necessary. The following measurements are being performed during operation oilpump pressure, oil temperature in the container, revolution of the driving axle. A pressure gauge and a tachometer are assembled directly on the compressor. Remote indicating electric pressure gauge, thermometer and

Card 2/4

4

6/24

RUM/8-59-1-21/24

On a Supersonic Wind Tunnel With Continuous Operation in an Open Circuit

tachometer are assembled on the starting panel of the electric motor. The Laval nozzle, consisting of three straight and one curved walls, guarantees an even and uniform supersonic motion in the testing chamber. The straight walls of the nozzle consist on either side of the internal sides of the crystal windows and on top of the internal side of the girder. The curved wall consists of a wooden block. The first section of the diffuser has been built in the same manner as the Laval nozzle. An 8-mm projector is being used as a light source. The wind tunnel has been computed for flows up to a speed of 2.2 Mach. Based on the calculations, the author has achieved in the experimental section a Mach Number of $M = 2.2$, the power consumed by the electric motor was 102 kw, the atmospheric pressure was 750 mm Hg and a temperature of 24°C . Together with N. Cămărășescu the author has conducted a series of experiments with differently shaped models. Various experiments have been conducted with the compressor, determining the following values: compressor ratio, overall efficiency of the compressor installation, compressor efficiency, output, static pressure, power absorbed by the electric motor, etc. The results of these determinations are shown in graphs. The maximum achievable

Card 3/4

✓

80424

RUM/8-59-1-21/24

On a Supersonic Wind Tunnel With Continuous Operation in an Open Circuit

Mach Number is $M = 2.28$, in a 108 x 50-mm section and a consumed power of 94 kw. The maximum achievable section is 153 x 50-mm, at a Mach Number of $M = 2.1$, and a consumed power of 128 kw. The author then gives the different values of sections attained with different Mach Numbers. Finally, the author examines the construction possibilities of a large wind tunnel, operated by a group of compressors. The values of the three most advantageous compressor combinations are shown in graphs and tables. There are: 3 photos, 3 sets of diagrams, 4 sets of graphs, 2 tables and 3 references, 1 of which is Rumanian, 1 English and 1 German.

SUBMITTED: September 16, 1958

Card 4/4

RUMBLE/Chernik, N. I. Chernik, N. I. Products of H
Their Uses. Part II. Fish Industry.

Abs Jour : Ref Zhur-Khily , 15, 1956, 5196

Author : Nikol'son, N.

Inst :

Title : Machine for Cutting Off Fins and
Tails of Fish.

Crit Jour : Rev. ind. et mt. prod. ind. 11, 1957,
No. 1, 22-23

Abstract : Machine for cutting off of fins and tails,
which is capable of handling 10-30 kg of
fish per minute is described. -- N. Marin

Card : 1/1

MINRA, M.; ...
... BALAI ...

Physi...
...
... ..

- P
- S
-
-
-

NEDELEVA, L.; IONCHEV, L.

TECHNOLOGY

Periodical: KHIMIJA I INDUSTRIJA. Vol. 30, No. 5, 1958.

NEDELEVA, L.; IONCHEV, L. New method for producing p-amio-salicylic salt of isonicotine hydrazide. p. 142.

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

NEDLIN, G.M.

Possible magnetic structures in $YMnO_3$ type antiferromagnets.
Fiz. tver. tela 7 no.3:739-745 Mr '65.

(MIRA 18:4)

1. Institut poluprovodnikov AN SSSR, Leningrad.

L 57-32-58 EWT(1)/EPA(2)-2/EWS(1a)/EEC(1) P-2/P1-4 IJP(c) JD/JW/GG
ACCESSION NR: AP5016111 UR/0048/65/029/006/0890/0893

AUTHOR: Nedlin, G.M.

TITLE: Phase transition from the ferroelectric to the magnetically ordered ferroelectric state /Report, 4th All-Union Conference on Ferroelectricity held in Rostov-on-the-Don 12-18 Sept 1964/

SOURCE: AN SSSR. Izvestiya.Ser.fizicheskaya,v.29,no.6,1965,890-893

TOPIC TAGS: ferroelectricity, ferromagnetism, antiferromagnetism, phase transition, thermodynamics

ABSTRACT: After asserting the impossibility of a fully general thermodynamic treatment of a magnetically ordered ferroelectric material, the author gives a rather general thermodynamic treatment of the ferroelectric susceptibility and the magnetoelectric coefficient near the transition point between the ferroelectric and magnetically ordered ferroelectric states in the presence of an electric field along the ferroelectric axis. The treatment is based on a discussion of the thermodynamic potential as a function of the electric field and the

Card 1/2

L 57032-65

ACCESSION NR: AP5016111

parameters describing the magnetic order. It is found that the temperature derivative of an electric susceptibility component is discontinuous at the transition point, and that the component itself may be discontinuous. If an electric susceptibility component is discontinuous at the transition temperature, it is larger in the magnetically ordered phase. The diagonal component of the susceptibility, associated with the ferroelectric axis, must be discontinuous. If the ordered state is ferromagnetic the magnetoelectric coefficient is approximately proportional to $(T_0 - T)^{-1/2}$ near the transition temperature T_0 . If the ordered state is antiferromagnetic the magnetoelectric coefficient may be proportional to $(T_0 - T)^{k-1/2}$, where k is an integer. Orig.art.has: 19 formulas.

ASSOCIATION: Institut poluprovodnikov Akademii nauk SSSR (Semiconductor Institute, Academy of Sciences, SSSR)

SUBMITTED: 00

ENCL: 00

SUB CODE: SS
EM

NR REF SOV: 005

OTHER: 002

Card 2/8

NEDELIN, K. T. Cand Biol Sci -- (diss) "Utilization of the zoocoraria
not-essential *in animal husbandry*
~~preparation~~ preparation in ~~livestock-raising~~ farms." Minsk, 1958. 11 p
(Inst of Biology, Acad Sci Belorussian S.R.), 100 copies (AL, 14-0, 11)

NEDELIN, K.T. [Nyadzelin, K.T.]

Some data on the use of the raticide "roocoumarin." Vestsi AN
BSSR. Ser. biial. nav. no.4:85-91 '57. (MIRA 11:6)
(RAT BAIT AND REPELLENTS) (COUMARIN)

VASHKOV, V.I.; HEDELIN, K.T.; SUKHAROVA, N.D.; SAFONOVA, Ye.P.

The raticide coucoumarin. *Farm. i toks. 20 no.1:80-82 Ja-V '57.*

(RATS,

(MLRA 10:7)

raticide)-(α -phenyl- β -acetyloethyl)-4-oxycoumarin (Rus))

(COUMARIN, related compounds,

)-(α -phenyl- β -acetyloethyl)-4-oxycoumarin, raticide (Rus))

1941-1942, ...

"The situation in the ...
between ...
Sci, Leningrad Sci bulletin ...
Sep 54)

Sci: Dec 1942, ...

NEDELIN, N., kandidat tekhnicheskikh nauk.

Efficient method of anchoring ship mechanisms to their
foundation. Mor. flot 16 no.12:18-20 D '66. (MLRA 10:2)

1. Tsentral'nyy nauchno-issledovatel'skiy institut Ministerstva
sudostroitel'noy promyshlennosti.
(Ships--Equipment and supplies)

NEDELIN, M.K., kand.tekhn.nauk.

Engine seating on three points. Sudostroenie 24 no.1:45-48 Ja '58.

(MIRA 11:2)

(Marine engineering)

HEDELIN, N.K., kand. tekhn. nauk.

Present-day requirements for templet base belts. Sudostroyeniye 24
no.10:40-44 0 '58. (MIRA 11:12)
(Bolts and nuts) (Marine engineering)

MEDELIN, M.K., kand.tekhn.nauk

Assembled unit manufacture and mounting of auxiliary mechanisms.
Trudy NTO sud.prom. 32:39-47 '60. (MIRA 13:6)
(Marine engineering)

NEDELIN, N., kand.takhn.nauk

Fixing ship machines to their foundation by welding.
Mor. flot 21 no.9:30-32 S '61. (MIR 14:4
(Marine engineering) (Ships--Welding)

NEDELIN, S.

Problems of financing and issuing credit to agriculture. Fin.SSR 48
no.2:52-60 F ' 64. (MIRA 17:2)

BOHNESTROV, M.P., NEOLER, V.V.

Effect of incoherence in measurements in the photo-
weak spectral lines. Zhur. anal. k'rim. 20 no. 1:103-105, 1965.

I. Gosudarstvennyy nauchno-issledovatel'skiy i promyshlennyy
institut raskrytiya i obrabotki surovykh i promyshlennyykh
metallicheskoy promyshlennosti, Moskva.

NEDELIN, S.

Collective Farms

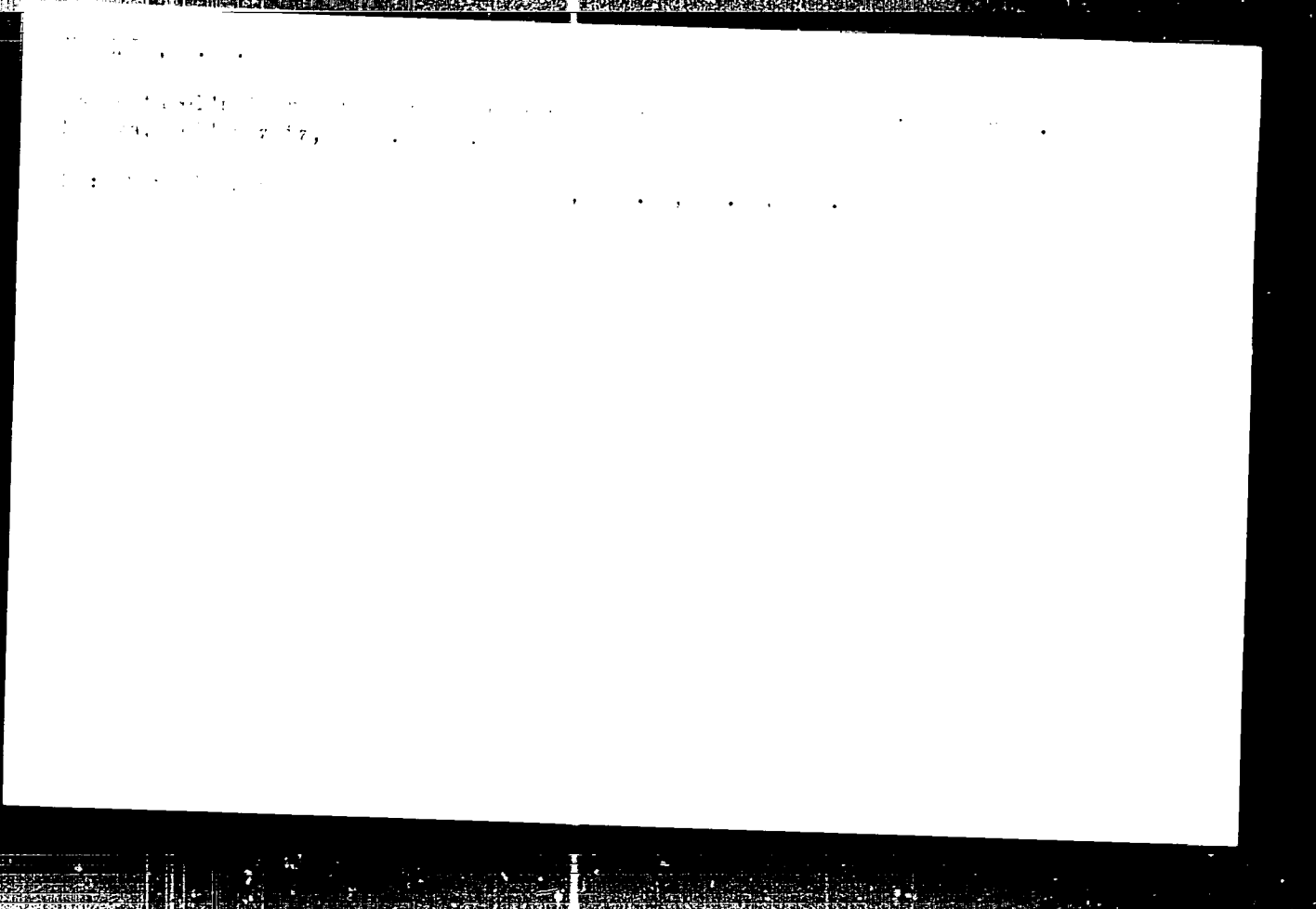
New regulation on accounting reports of collective farms in production of grain and other crops on state farms, Bukh. zhurn., 12, No. 12, 1955.

Monthly List of Russian Accessions, Library of Congress, July 1955. [unclear]

MOSEVIN, V.

Voprosy organizatsii finansov sovkhuzov (Problems of organization of
farm finances, by V. Mosvin and V. Mosvin). Moskva, Profintizdat, 1972.
231 p. tables.

SO: 722.1
.34



MEDELIN, S.

Ways to increase financial control over the work of machine-tractor
stations. Fin. i kred. SSSR no. 3:28-34 Mr '54. (MLRA 7:4)
(Machine-tractor stations--Finance)

NEDELIN, S.

Profitableness of state farms and the role of short-term credit.
Den.1 kred.12 no.1:16-21 J1'54. (MLRA 8:2)
(State farms)(Agricultural credit)

MEDELIN, Serafim Ivanovich

[Accounting in state farms] Bukhgalterski uchet v sovkhozakh.
Moskva, Gos.isd-vo sel'skokhoziaistvennoi lit-ry. 1956. 335 p.
(State farms--Accounting) (MIRA 12:4)

HEDELIN, S.

Financial aid to socialist agriculture. Fin.SSSE 18 no.10:28-37
O '57. (MIRA 10:10)

(Agriculture--Economic aspects)

NEDELIN, Serafim Ivanovich; KURINA, Ye.A., red.; TROFIMOV, A.V., tekhn.red.

[Earning capacity and economic accountability on state farms]
Rentabel'nost' i khozraschet v sovkhozakh. Moskva, Izd-vo
"Znanie," 1958. 39 p. (Vsesoiuznoe obshchestvo po rasprostraneniu
politicheskikh i nauchnykh znani. Ser. 3, no.6) (MIRA 11:5)
(State farms—Accounting)

MEDELIN, Serafim Ivanovich, red.; NEMSIY, M.I., red.

[Problems of cost and profit on collective farms] Voprosy
sebestoimosti i rentabel'nosti v kolkhosakh. Moskva,
Gosfinisdat, 1959. 236 p. (MIRA 12:6)

1. Moscow (City). Nauchno-issledovatel'skiy finansovyy institut.
(Collective farms--Finance)

BAKANOV, M.I., prof.; TATUR, S.K., prof.; KOPNYAYEV, V.P.; MASSARYGIN,
F.S.; SHEREMET, A.D.; TIMOFEYEV, S.P.; NEDELIN, S.I.; KONDRAT'YEVA,
A., red.; TELEGINA, T., tekhn.red.

[Course in the analysis of administrative operations] Kurs analiza
khoziaistvennoi deiatel'nosti. Moskva, Gosfinizdat, 1959. 480 p.
(MIRA 13:4)

(Industrial management)

NEDELIN, S.

Finance and business accounting of collective farms. Fin. SSSR 20
no.1:17-28 Ja '59. (MIRA 12:2)

(Collective farms—Finance)

MEDELIN, Serofim Ivanovich; TERESHCHENKO, B.N., red.; IVANOVA, A.H., red.;
GURUVICH, M.M., tekhn.red.

[Accounting on state farms] Bukhgalterskii uchet v sovkhosakh.
Izd.2., perer. Moskva, Gos.isd-vo sel'khoz.lit-ry, 1960. 318 p.
(MIRA 14:5)

(State farms--Accounting)

NEDELIN, S.

State deliveries and consolidation of collective and state
Soviet finances. Fin. SSSR 22 no.8:17-25 Ag '61.

(MIRA 14:8)

(Agriculture--Finance)
(Produce trade)

MEDELIN, Serafim Ivanovich; TIKHONOVA, Ye.M., red.; SOKOLOVA, N.N.,
tekhn. red.

[Analysis of the economic operations of agricultural enter-
prises] Analiz khoziaistvennoi deiatel'nosti sel'skokhoziai-
stvennykh predpriatii. Moskva, Sel'khozizdat, 1962. 271 p.
(MIRA 15:11)

(Agriculture--Accounting)

NEDELIN, S.

Increase control over the work of state farms. Fin. SSR 23
no. 9:16-25 S '62. (MIRA 1962)
(State farms--Auditing and inspection)

NEDELIN, S.I.; GUMEROV, R.M.; KORYUNOV, S.N.; MOZHIN, V.P.; KOSYACHENKO,
G.P., prof., red.; KONDRAT'YEVA, A., red.izd-va; LEBEDEV, A.,
tekhn. red.

[Collective farm monetary income and differential land rent]
Deneshnye dokhody kolkhozov i differentsial'naya renta. Mo-
skva, Gosfinizdat, 1963. 222 p. (MIRA 16:3)

1. Moscow. Nauchno-issledovatel'skiy finansovyy institut.

2. Otdeleniye finansov sel'skogo khozyaystva Nauchno-
issledovatel'skogo finansovogo instituta (for Nedelin,
Gumerov, Koryunov, Mozhin).

(Collective farms—Finance)

(Rent(Economic theory))

KORYUNOV, S.N.; BRAGI! SKIY, L.V.; YEPANESHNIKOV, V.K.; NEDELIN,
S.I.; NESMIY, M.I.; MOSYREV, S.S.; PAKHOMOV, A.M.;
FILIPPOVA, E., red.

[Organization of collective-farm finance] Organizatsiia
finansov kolkhoza. Moskva, Finansy, 1964. 243 p.
(MIRA 18:5)

1. Moscow. Nauchno-issledovatel'skiy finansovyy institut.

BRICHAYAY, G. M., ... ELIN, ...

Existence of form ... hydrolysis ...
triphosphate. ...

1. Institut Biologicheskoy Fiziki ...

NEDELJAK, N. J.

N. J. Czechoslovak Fine Chemicals Standards. Edited by
N. J. Nedeljak. Prague: Chemapol, 1955. 540 pp.
PKS

~~SECRET~~

SECRET

SECRET, CONFIDENTIAL. Name of subject - [unreadable], [unreadable],
[unreadable], [unreadable], [unreadable], [unreadable].

Monthly list of [unreadable] [unreadable] [unreadable], [unreadable], [unreadable].
[unreadable] [unreadable] [unreadable].

STOJANOVIC, Vojislav; VUCINIC-ARANDJELOVIC, Radmila; VASILJEVIC, Dragoljub;
BALOG, Borica; ~~MEDELJKOVIC~~, Dragos

Surgery for embolism of femoral artery in patient with mitral
stenosis. Srpski arh. celok. lek. 84 no.11:1250-1254 Nov 56.

1. IV Interna klinika Medicinskog fakulteta u Beogradu.
Upravnik: prof. Cedomir Plavsic. II Hirurska klinika Medicinskog
fakulteta u Beogradu. Upravnik: prof. Vojislav Stojanovic.

(MITRAL STENOSIS, compl.
thromboembolism of femoral artery, surg. (Ser))
(ARTERY FEMORAL, dis.
thromboembolism with mitral stenosis, surg. (Ser))
(THROMBOEMBOLISM, compl.
femoral artery, with mitral stenosis, surg. (Ser))

RAJCOVIC, Aleksandar; NEDINJKOVIC, Dragos; LUKIC, Svetomir

Unusual location of echinococcosis in the muscle. Srpski arh. celok.
lek. 87 no.1:89-94 Jan 59.

1. II Hirurska klinika Meditsinskog fakulteta u Beogradu Upravnik:
prof. dr Vojislav K. Stojanovic.

(ECHINOCOCCOSIS, case reports
misc. (Ser))

(MUSCLES, dis.
echinococcosis (Ser))

RASOVIC, Ljubomir; MARKOVIC, Aleksandar; BALJOZOVIC, Aleksandar; DRAGICEVIC, Branislav; NEDELJKOVIC, Dragas

Local treatment of burns. Srpski arh. celok. lek. 88 no.9:845-852
S '60.

1. II Hirurska klinika Medicinskog fakulteta Universiteta u Beogradu.
Upravnik: prof. dr Vojislav K. Stejanovic. 2. Clan Uredivackog odbora,
"Srpski arhiv sa celokupno lekarstvo"

(BURNS ther)

STOJANOVIC, V.; JOSIPOVIC, V.; MARKOVIC, A.; NEDELJKOVIC, D.; ANTONIĆ, S.;
PROKIC, D.

Dry heart surgery at a normal temperature without extracorporeal
circulation. Acta ohir. Iugosl. 9 no.1:17-25 '61.

1. II hirurška klinika (Upravnik prof. dr V.K.Stojanovic) i Interna
klinika "B" (Upravnik prof. dr M. Berovic) Medicinskog fakulteta u
Beogradu.

(HEART SURGERY)

RASOVIC, Ljubomir; NEDELJKOVIC, Drago; ANOJSIC, Stojan

Incarcerated hernia of the diodenojejunal recess. Srpski arh. celok.
lek. 89 no.10:1135-1138 0 '61.

1. II hirurska klinika Medicinskog fakulteta Univerziteta u Beogradu
Upravnik: prof. dr Vojislav K. Stojanovic.

(HERNIA case reports)

YUGOSLAVIA

VASILJEVIC, Dragoljub; NEDELJKOVIC, Dragos; ZDRAVKOVIC, Dragan and PEROVIC, Miroje: Second Surgical Clinical, Medical Faculty of University (II Hirurska klinika Medicinskog fakulteta Univerziteta), Head (Upravnik) Prof Dr Vojislav STOJANOVIC, Belgrade.

"Posterior Mediastinal Goiter."

Belgrade, Srpski Arhiv za Tselokupno Lekarstve, Vol 93, No 4, Apr 1965; pp 403-407.

Abstract [German summary modified]: Data on one true mediastinal goiter in 55 year old woman, with good recovery after excision. Diagnostic and differential diagnostic problems are discussed. Photograph of surgical specimen, radiogram; 4 Yugoslav and 12 Western references. Manuscript received 16 Apr 64.

1/1

NEDELJKOVIC, DUSAN

SCIENCE

NEDELJKOVIC, DUSAN. Kretanje i relativnost u Boskovicovom "novom svetu." Motion and relativity in Boscovich's "new world."

Beograd, Naučno delo, izdavačka ustanova stpske Akademije nauka, 1958. 73 p.

Monthly Index of East European Accessions (EEAI) LC, Vol. 8, No. 4, April, 1959

NEDELJKOVIC, DUSAN.

Kretanje i relativnost u Boskovicovom "novom svetu." Motion and relativity in
Boscovich's "new world." Beograd, Naučno delo, izdavačka ustanova Srpske akademije
nauka, 1958. 73 p. (Srpska akademija nauka. Posebna izdanja, knj. 312)

SCIENCE

SO: Monthly List of East European Accessions (EEAI) LC

Vol. 8, No. 4
April 1959, Uncl.

NEDELJKOVIC, J.

"Remaining Problems Regarding Passenger Fares" p. 181. (Zeleznice, Vol. 9, no. 6, June, 1953, Beograd.)

SO: Monthly List of East European Vol. 2, No. 9, Accessions, Library of Congress, September 1953, Uncl.

NEDELJKOVIC, J.

Tariffs and timetables; a problem for reflection. p. 210
ZELEZNICE. Beograd.
Vol. 11, no. 6, June 1955

SOURCE: East European Accessions List (EEAL), LC, Vol. 5, no. 2,
Feb. 1956

MEDELJKOVIC, Jevrem, prod. dr.

Improvement of PAS tolerance by combined administration of vitamin C.
Voj. san. pregl., Beogr. 11 no.9-10:370-372 Sept-Oct 54.

(VITAMIN, C, eff.

on PAS tolerance)

(PARA-AMINOSALICYLIC ACID, admin.

with vitamin C, tolerance improvement)

HEDELJKOVIC, J., prof.; DUGANZIC, S.; DUGANZIC, M.; TUCAKOVIC, M.,
pukovnik dr.

Comparative concentration of PAS in blood following oral admini-
stration of PAS alone and with vitamin C. Voj. san. pregl.,
Beogr. 11 no.9-10:372-376 Sept-Oct 54.

(VITAMIN C, eff.

on PAS concentration in blood after oral admin.)

(BLOOD

PAS after oral admin. with vitamin C)

(PARA-AMINOSALICYLIC ACID, in blood

eff. of combined admin. of vitamin C)

NEDELJKOVIC, J.

Experimental research with filtrates. Srpski arh. celok. lek. 85
no.6:664-670 June 57.

(TUBERCULIN REACTION,

eff. of filtrates on skin reaction (Ser))

NEDELJKOVIC, J.

Review of experiences with Nedeljkovic's filtrate. Srpski
arh. celok. lek. 85 no.2:129-146 Feb 57.

(TUBERCULOSIS, ther.

Nedeljkovic's filtrate, indic. (Ser))