

I 00062-66

ACCESSION NR: AP5021346

ENCL: 01

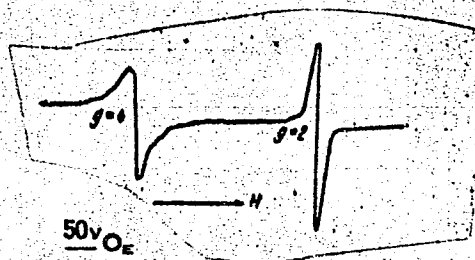


Fig. 1. Signal from the peroxidized radical in teflon, recorded simultaneously with the standard (glass "Luch 2").

Card

mlb
3/3

BLAZHEVICH, P., inshener.

Working standards for machine operators. Stroitel' 2 no.3:20-21
Mr '56. (MLRA 9:12)
(Production standards) (Wages)

SULTANOV, G.I.; ZARABELOV, M.A.; KUZNETSOVA, M.M.; BLAZHEVICH, P.V.,
otv.red.; PEVZNER, A.S., zav. red.izd-va; OSENKO, L.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkh. i stroit.materialam.
Sbornik 5. [Making and assembling steel construction elements]
Montazh i izgotovlenie stal'nykh konstruktsii. No.4. [Assembling
welded cylindrical tanks and gasholders] Montazh tsilindricheskikh
svarnykh rezervuarov i gazgol'derov. 1960. 23 p.
(MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Tsentral'noye normativno-issledovatel'skoye
byuro Ministerstva stroitel'stva RSFSR (for Sultanov, Zarabelov,
Kuznetsova).

(Gasholders) (Tanks) (Wages)

YEMEL'YANOV, A.P.; LEVIN, A.A.; BLAZHEVICH, P.V., otv.red.; PEVZNER, A.S.,
sav.red.izd-va; TEMKINA, Ye.L., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
Sbornik 24. [Hoisting operations] Takelashnye raboty. 1960. 46 p.
(MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya No.13
(NIS-13) Ministerstva stroitel'stva RSFSR (for Yemel'yanov).
3. Tsentral'noye normativno-issledovatel'skoye byuro Ministerstva
stroitel'stva RSFSR (for Levin).
(Wages) (Hoisting machinery)

BORISHCHEV, K.V.; YEMETS, D.V.; BLAZHEVICH, P.V.; FEVZNER, A.S., zav.
redaktsiyey izd-va; OSENKO, L.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materia-
lam. Sbornik 5. [Making and assembling steel construction elements]
Montazh i izgotovlenie stal'nykh konstruktсий. No.5. [Making
steel construction elements] Izgotovlenie stroitel'nykh stal'nykh
konstruktсий. 1960. 54 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam
stroitel'stva. 2. Normativno-issledovatel'skaya stantsiya No.5
(NIS-5) Ministerstva stroitel'stva RSFSR (for Borishchev, Yemets).
(Steel, Structural) (Wages)

BOGOSLOVSKIY, A.M.; MASHINSKIY, D.K.; AGUSHEV, Yu.F.; BLAZHEVICH, P.V.,
otv.red.; PEVZNER, A.S., zav.red.izd-va; OSENKO, L.M., tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] Edinye normy i rastsenki na stroi-
tel'nye, montazhnye i remontno-stroitel'nye raboty, 1960 g.
Moskva, Gos.izd-vo lit-ry po stroit., arkhitekt. i stroit.materialam.
Sbornik 22. [Welding] Svarochnye raboty. 1960. 79 p.

(MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroi-
tel'stva. 2. Normativno-issledovatel'skaya stantsiya No.5 (NIS-5)
Ministerstva stroitel'stva RSFSR (for Bogoslovskiy). 3. Tsentral'-
naya normativno-issledovatel'skaya stantsiya po stroitel'stvu
magistral'nykh truboprovodov Glavgaza SSSR "TANISStroygaz" (for
Mashinskiy). 4. Tsentral'noye normativno-issledovatel'skoye byuro
Ministerstva stroitel'stva elektrostantsiy (for Agushev).
(Wages) (Electric welding) (Gas welding and cutting)

ABRAMOV, V.S.; BLAZHEVICH, P.V., otv.red.; **PEVZNER, A.S.,** zaveduyushchiy
red.isd-va; **SHERSTNEVA, N.V.,** tekhn.red.

[Uniform time and pay standards for construction, assembly, and
repair operations in 1960] **Edinye normy i rastsenki na stroi-
tel'nye, montashnye i remontno-stroitel'nye raboty, 1960 g.**
Moskva, Gos.isd-vo lit-ry po stroit., arkhitekt. i stroit.materia-
lam. Sbornik 14. [Well boring for water] **Burenie skvazhin na vodu.**
1960. 185 p. (MIRA 13:6)

1. Russia (1923- U.S.S.R.) Gosudarstvennyy komitet po delam stroi-
tel'stva. 2. Normativno-issledovatel'skaya stantsiya (NIS) Mi-
nisterstva sel'skogo khozyaystva SSSR (for Abramov).
(Wages) (Boring machinery) (Wells)

BLAZHEVICH, S.

Art - Study and Teaching

"Our composition classes"
Klub, no. 5, 1952

BLAZHEVICH, S.

Toward a better utilization of the production and technical base.
Avt. transp. 43 no.2:1-3 F '65. (MIRA 18:6)

1. Nachal'nik Glavnogo upravleniya po organizatsii tekhnicheskogo
obslyuzhivaniya i remonta mashin i mekhanizmov Ministerstva avto-
mobil'nogo transporta i shosseynykh dorog RSFSR.

15-57-1-859
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 1,
p 135 (USSR)

AUTHORS: Loginov, B. G., Blazhevich, V. A., Malyshev, L. G.

TITLE: Experiment on the Industrial Testing of Hydrofract
Operations for the Bashneft' (Association of the
Bashkir Petroleum Industry) (Opyt promyshlennykh
ispytaniy gidravlicheseskogo razryva porod plasta na
promyslakh ob "yedineniya Bashneft'')

PERIODICAL: V sb: Metody uvelicheniya nefteotdachi plastov. Moscow,
Gostoptekhnizdat, 1955, pp 44-65.

ABSTRACT: The principal purpose of laboratory experiments in the
Ufa Petroleum Scientific-Research Institute was the
development of methods for obtaining different fluids
for hydrofract operations and the study of their
properties. The following fluids are recommended:
1) Devonian oil, with a viscosity of 8 to 10 centi-
poises, for wells in low-permeability sandstones;
2) oil from coal-bearing beds, with a viscosity of 20

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15-57-1-859

Experiment on the Industrial Testing of Hydrofract (Cont.)

to 55 centipoises, for sandstones with somewhat higher permeability; 3) mixtures of these oils with viscous Il'skaya oil (8 and 10 to 2300 centipoises), which may be used for high-permeability rocks; 4) kerosene-acid emulsion, for fracturing sandy and carbonate petroliferous beds (with greater success in the sandy rocks if they are carbonatic); 5) viscous solutions of hydrochloric acid in sulfite-alcohol waste, for fracturing carbonates or rocks strongly altered to carbonates; and 6) thickened oil and petroleum fuels (kerosene, diesel, etc.). The authors examine the possibility of hydrofract operations of aquifers during extraction from pressure wells (water, sulfite-alcohol waste, thickened hydrochloric acid or a viscous solution of this in sulfite-alcohol waste, and hydrophilic emulsions). Experiments on these hydrofract processes on the basis of theoretical mechanics did not give positive results. Therefore, to establish a firm foundation for the technology of the process, industrial experiments were carried out. A principal problem was the determination of the pressure for fracturing beds at different depths. The industrial testing of the hydrofract operations in pressure wells is described in detail. The experiments were carried

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Experiment on the Industrial Testing of Hydrofract (Cont.) 15-57-1-859

to completion in twelve wells. Before hydrofract operations, despite extensive efforts to secure production, almost all the wells would absorb no water. After the hydrofract operations, the receptivity was sharply increased. The authors believe that the use of extremely viscous fluids leads only to excessive pressures at the collar, which cannot be transferred to the bottom of the well because of huge losses in pressure due to friction on pumping the viscous fluids.

Card 3/3

V. B. O.

LOGINOV, B.G.; BLAZHEVICH, V.A.; MALYSHEV, L.G.

Result of commercial trials of hydraulic fracturing of sands in
pressure wells in Bashkiria. Neft.khoz. 33 no.2:31-38 F '55.

(MIRA 8:4)

(Bashkiria--Petroleum engineering)

7 Hydraulic rupture of mineral beds cemented by carbon-
ate or carbonized formations. U.S.S.R. 102,425. Mar. 26, 1958. 11
Hydraulic fracturing of rock beds. H.C.I. 10,400. 1958. 11
Hydraulic fracturing of rock beds. H.C.I. 10,400. 1958. 11

BLAZHEVICH, V.M.

LOGINOV, B.G.; ~~BLAZHEVICH, V.A.~~

Factors determining the successful ejection of sand in fissures in
the case of hydraulic fracturing of oil sands. Neft.khoz. 34 no.8:
24-28 Ag '56. (Petroleum engineering) (MIRA 9:10)

BLAZHEVICH, V. A.

14(5)

PHASE I BOOK EXPLOITATION

80V/1514

Loginov, Boris Georgiyevich, and Valentin Aleksandrovich Blazhevich

Gidravlicheskiy razryv plasta; opyt neftyanikov Bashkirskoy ASSR
(Hydraulic Fracturing; Practices of Petroleum Workers of the Bashkir ASSR).
Moscow, Gostoptekhizdat, 1958. 138 p. 2,500 copies printed.

Executive Ed.: Ye. A. Petrova; Tech. Ed.: I. G. Fedotova

PURPOSE: This booklet is intended for petroleum engineers and technicians, personnel of field pressure regulating units, as well as laboratory and scientific research institute workers.

COVERAGE: The booklet describes the results obtained by the Ufa Scientific Research Institute in investigating the properties and composition of working fluids for hydrofracturing. It discusses its achievements in the technology of fracturing operations and the practical results obtained in applying contour flooding to Devonian petroliferous strata in the Bashkirskaya ASSR through input wells. There are 41 diagrams and 31 tables. Laboratory workers of UfNII - Ye. B. Vereshchagina, A.B. Rabinovich, A.S. Glezer, T.I. Berezina, A.M. Shevyakina, N.S. Brichkin,

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Hydraulic Fracturing; (Cont.)

SOV/1514.

S.M. Akhramov and N.S. Zelenchuk, who carried on important work under the direction of the authors and senior engineer L.G. Malysheva - are thanked for their contributions. A.M. Zhdanov, A.K. Krupnov, U.M. Baykov, N.L. Romanova, L.I. Orlov and V.T. Morozova are mentioned as having contributed to the success of tests made at the oilfields. There are 15 references of which 13 are Soviet and 2 English.

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AVAILABLE: Library of Congress

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5-1-59

ABDULIN, Fust Salikh'yanovich; BIAZHEVICH, Valentin Aleksandrovich;
MURAY'YEV, V.M., red.; KAYESHKOVA, S.M., vedushchiy red.;
FEDOTOVA, I.G., tekhn.red.

[Exploitation of injection wells] Osvoenie nagnetatel'nykh
skvashin. Moskva, Gos.nauchno-tekhn.isd-vo neft. i gorno-
toplivnoi lit-ry, 1959. 146 p. (MIRA 13:1)
(Oil fields--Production methods)

BLAZHEVICH, V.A.

Foliation of rocks in hydraulic fracturing and water injection in
the Tuymazy field. Neft.khoz. 38 no.5:39-43 My 60. (MIRA 13:8)
(Tuymazy region--Secondary recovery of oil)

BLAZHEVICH, Valentin Aleksandrovich; KAYESHKOVA, S.M., red.;
FEDOTOVA, I.G., tekhn. red.

[Practical guide to hydraulic breaking of ore beds]
Prakticheskoe rukovodstvo po gidravlicheskomu razryvu plasta.
Moskva, Gos.nauchno-tekhn. izd-vo neft. i gorno-toplivnoi
lit-ry, 1961. 134 p. (MIRA 14:5)
(Hydraulic mining)

IMANAYEV, N.G.; GOMBINER, B.Ya.; KRAVCHENKO, I.I.; BLAZHEVICH, V.A.;
MARKOV, V.F.; SATTAROV, M.M.; GIL'MANSHIN, I.G.; ASHIROV, K.B.;
BOBELYUK, V.P.; ROMANYUK, F.I.

Comments on the article by M.L. Surguchov "Exclusion of reservoir
waters", Neft.khoz., No.11, 1962. Neft.khoz. 41 no.8:38-57 Ag '63.

Present status of and prospects for the construction of steel
tanks in the U.S.S.R. Ibid.:58-62

1. Neftepromyslovoye upravleniye Tuymazaneft' (for Imamayev,
Gombiner). 2. Ufimskiy neftyanoy nauchno-issledovatel'skiy
institut (for Kravchenko, Blazhevich). 3. Neftepromyslovoye
upravleniye Chernomor-neft' (for Markov). 4. Neftepromyslovoye
upravleniye Arlanneft' (for Sattarov, Gil'manshin). 5. Gosudar-
stvennyy institut po proyektirovaniyu i issledovatel'skim
rabotam neftedobyvayushchey promyshlennosti vostochnykh rayonov
strany (for Ashirov). 6. Vsesoyuznyy neftegazovyy nauchno-
issledovatel'skiy institut (for Bobelyuk, Romanyuk).

(MIRA 17:10)

BLAZHEVICH, V.A.; UMRIKHINA, Ye.N.; MAKHMUTOV, N.R.

Use of FR-12 synthetic resin for exclusion operations in oil wells. Nefteprom. delo no.10:24-27 '63. (MIRA 17:6)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

BLAZHEVICH, V.A.; GLAZKOV, A.A.

Investigating the nature of fluid motion in a producing bed.
Nefteprom.delo no.2:3-12 '64. (MIRA 17:4)

1. Ufimskiy neftyanoy nauchno-issledovatel'skiy institut.

UMRIKHINA, Ye.N.; BLAZHEVICH, V.A.; STAL'NOVA, M.A.; RAYEVSKAYA, V.I.;
BRODSKIY, G.S.; RABINOVICH, A.B.

Use of plastics in the sealing off of the flow of stratial
waters in oil wells. Plast. massy no.8:36-40 '64.

(MIRA 17:12)

ACCESSION NR: AT4016867

S/2531/63/000/143/0003/0013

AUTHOR: Pyatygina, K. V.; Fedorova, E. A.; Blazhevich, V. G.

TITLE: Preliminary results of testing an ageostrophic method for precomputing the fields of wind, temperature and vertical currents

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy*, no. 143, 1963
Voprosy* chislennogo prognoza i struktura meteorologicheskikh pol'y (Problems in numerical forecasting and structure of meteorological fields) 3-13

TOPIC TAGS: meteorology, wind, air temperature, atmospheric vertical currents, ageostrophic model, atmospheric pressure field, baroclinic model.

ABSTRACT: A report has been published giving the preliminary results of testing the method for precomputing the fields of wind, temperature and vertical currents in the atmosphere, using an ageostrophic model, originally proposed by Pyatygina (Trudy GGO, No. 121, 1961). Computations were made with a BESM-II computer. The initial data were the components of the geostrophic wind and temperature at 263 points on a European grid. Only three precomputations have thus far been made for 12- and 24-hour periods. The synoptic situation for the three cases is described. The precomputed and actual values for the wind field were compared for

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the 97 inner points of the grid. The method for evaluating statistical errors is discussed. In the prediction of the wind field for 12 hours in advance the results were satisfactory for the 850- and 500-mb levels, with somewhat less error for the lower level. Errors are less than when the inertia method is used, particularly for the 850-mb level. The time interval used was 2 hours. This interval was unsatisfactory for a 24-hour prediction of the wind and temperature fields. Reduction of the interval to 1 hour for the four levels analyzed yielded satisfactory results for the 24-hour forecast for the 850- and 500-mb levels, but considerable error remained for the 300- and 200-mb levels; errors were prominent in the region of jet streams. Fig. 1 in Enclosure shows an example of the temperature forecast. The temperature field was computed on the basis of vertical velocities, which were precomputed successfully. Temperature prediction is more accurate than wind field prediction. Orig. art. has: 1 figure, 2 formulas, 9 tables.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya (Main Geophysical Observatory)

Card 2/3 2

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ACCESSION NR: AT5017065

UR/2531/65/000/168/0003/0018

AUTHOR: Pyatygina, K. V.; Blazhevich, V. G.; Fedorova, E. A.
44,55 44,55 44,55

252
B+1

TITLE: Results from testing of an ageostrophic model for predicting wind and temperature fields for several atmospheric levels

SOURCE: Leningrad. Glavnaya geofizicheskaya observatoriya. Trudy, no. 168, 1965; Chislennyy analiz i prognoz pogody (Numerical analysis and weather forecasting), 3-13

TOPIC TAGS: geostrophic wind, weather forecasting, atmospheric geopotential

12,44,55

ABSTRACT: The results of 27 daily forecasts of wind and temperature fields for levels of 850, 500, 300 and 200 mb are analyzed. In contrast to earlier works, the temperature and wind fields were predicted using a system in Lagrange variables. The method used is briefly described. A high speed electronic computer was used for making the calculations. The initial data consisted of 333 values of geopotential and 263 temperature readings on each of the four levels studied. Tables are given showing the reliability of forecasts for geostrophic wind velocity and temperature variation. Predictions of wind velocity were much more accurate on the 850 and

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500 mb levels than on the 300 and 200 mb levels. The error was 5.5 m/sec for the 850 mb level, 8.0 m/sec for the 500 mb level, and about 13 m/sec for the other two levels. The absolute error in temperature prediction for the troposphere is 2° on the average. However, for the 200 mb level this error is considerably greater (3.2°). The coefficient of correlation between the actual and predicted temperature changes is highest for the 850 mb level, lowest for the 300 mb level. The data are compared with those of other authors. Orig. art. has: 2 figures, 10 formulas, 8 tables.

ASSOCIATION: Glavnaya geofizicheskaya observatoriya, Leningrad (Main Geophysical Observatory) 44,55

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OTHER: 000

Card 2/2

15-57-5-6555D
Translation from: Referativnyy zhurnal, Geologiya, 1957, Nr 5,
p 122 (USSR)

AUTHOR: Blazhevichyus, K. A.

TITLE: Investigation of the Menchyayskiye Limestones and
Klovaynyayskiye Dolomites as Natural Building Stones
(Issledovaniye menchyayskikh izvestnyakov i klovaynyay-
skikh dolomitov kak yestestvennykh stroitel'nykh
kamney)

ABSTRACT: Bibliographic entry on the author's dissertation for
the degree of Candidate of Technical Sciences,
presented to the Lit. s.-kh. akad. (Lithuanian
Agricultural Academy), Kaunas, 1956

ASSOCIATION: Lit. s.-kh. akad. (Lithuanian Agricultural Academy)
Card 1/1

BLAZHEVIZHYUS, K., inshener (Kaunas)

Equipment for forced water saturation. Stroi. mat. 2 no.11:
34 N '56.

(MLRA 10:2)

(Building materials--Testing)

BLAZHEVSKIYA S

TETUYEV, V.A. kandidat biologicheskikh nauk; BLAZHEVSKIY, A.S., aspirant.

"Object lessons; secondary course" [in French] by Marcel Orioux.
Biol.v shkole no.2:69-71 Mr-Apr '57. (MIRA 10:5)

1. Moskovskiy gosudarstvennyy pedagogicheskiy institut imeni V.I.
Lenina.

(Nature study)

BLAZHEVSKIY, V. K., Cand Agr Sci -- (diss)"Effect of the area of feeding on the growth, development, and harvest of corn under the conditions of the Vinnitskaya oblast'." Kiev, 1960. 22 pp; (Ministry of Agriculture Ukrainian SSR, Ukrainian Academy of Agricultural Sciences); 200 copies; price not given; (KL, 22-60, 141)

KAVUN, Vasilii Mikhailovich. Prinimali uchastiye: BAESKIY, I.I.;
BOROVSKIY, V.A.; VITKOVSKIY, M.P.; ZIMOVETS, V.N.;
SEREDENKO, B.N.; PITUL'KO, V.Ye.; CHEPURNOV, I.A.;
BLAZHEVSKIY, V.K.; YAROPUD, V.N.; RYBAK, V.N.; KUZIK, G.I.;
ZADNEPRYANETS, G.V.; IVANOV, A.N., red.; BELOVA, N.N.,
tekhn. red.

[Efficient farm management] Ratsional'noe vedenie khoziaistva.
Moskva, Sel'khozizdat, 1963. 205 p. (MIRA 16:4)

1. Ukrainskiy nauchno-issledovatel'skiy institut ekonomiki i organizatsii sel'skogo khozyaystva (for Bab'skiy, Borovskiy, Vitkovskiy, Zimovets, Seredenko, Pitul'ko, Chepurnov).
 2. Vinitskaya gosudarstvennaya sel'skokhozyaystvennaya opyt-naya stantsiya (for Blazhevskiy, Yaropud).
 3. Ukrainskiy nauchno-issledovatel'skiy institut zemledeliya (for Rybak).
 4. Sekretar' partiynoy organizatsii kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Kuzik).
 5. Glavnyy agronom kolkhoza imeni XXII s"yezda Kommunisticheskoy partii Sovetskogo Soyuza (for Zadnepryanets).
- (Collective farms--Management)

BLAZHEVSKIY, V.K., kand. sel'skokhoz. nauk

Row crop rotations in Vinnitsa Province. Zemledelie 26 no.7:6-12
Jl '64. (MIRA 18:7)

1. Vinnitskaya gosudarstvennaya sel'skokhozyaystvennaya stantsiya.

SPIRICHEV, V.B.; MEYERSON, F.Z.; D'YACHKOV, L.V.; BLAZHEYEVICH, N.V.

Effect of compensatory hyperfunction and hypertrophy of the heart on the content of vitamins B₁, B₂ and B in the myocardium and liver in rabbits. Vop. med. khim. 11 no.2:54-59 Mr-Apr '65.

(UTD 18:10)

1. Gosudarstvennyy nauchno-issledovatel'skiy institut vitaminov i Ministerstva zdravookhraneniya SSSR i Institut normal'noy i patologicheskoy fiziologii AMN SSSR, Moskva.

Blazheevskiy, F.
POLAND/General and Special Zoology. Insects

P

Abs Jour : Ref Zhur - Biol., No 6, 1958, No 25709

Author : Blazheevskiy F.
Inst : Not Given
Title : Carrion Beetles in the Yew Tree Reservation in Wierzchlas.
(Zhuki-mertvoyedy v tissovom zapovednike Wierzchlas)

Orig Pub : Zesk. nauk. Univ. Toruniu, 1956, No 1, 63-90

Abstract : Carrion beetles of 65 species from 17 families were caught with a variety of bait. The yearly fluctuation in the number of beetles on the reservation and the adjacent region and the species distribution depending upon ecologic conditions were investigated (charts, tables and diagrams were appended.).

Card : 1/1

KAVUN, Vasilii Mikhaylovich; BLAZHEVSKIY, Vasilii Karpovich, kand. sel'-khoz. nauk; ANTONOVA, M.M., red.; PROKOF'YEVA, L.N., tekhn. red.

[Our experience in growing buckwheat] Nash opyt vyrashchivaniia grechikh. Moskva, Izd-vo sel'khoz. lit-ry, zhurnalov i plakatov, 1961. 31 p. (MIRA 14:11)

1. Predsedatel' kholkhoza imeni Stalina Bershadskogo rayona (for Kavun).

(Buckwheat)

COUNTRY : USSR
SUBJECT : Cultivated Plants, Grains. Leguminosae: Grains.
Tropical Cereals.
REF. JOUR.: Ref Zhur-Biologiya, No. 1, 1959, No. 1636
Author : Maslenny, N.A.; Blazhevskiy, Ya.V. et alia
INST. : Odessa Agric. Inst.
TITLE : Reports on Industrial Experiments [in a number
of collective settlements of the Odessa,
Kamelinski, Kiev and Stalinaki regions].
ORIG. PUB.: Tr. Odessk. s.-kh. in-ta, 1958, 15, 35-45
ABSTRACT : No abstract.

CARD : 1/1

BLAZHEVSKIY, V.K., kand. sel'skokhoz. nauk

For a seasonable sowing. Zemledelis 26 no.8:53-55 Ag '64.

(MIRA 17:11)

1. Vinnitskaya gosudarstvennaya sel'skokhozyaystvennaya opytnaya stantsiya.

BLAZHEVSKIY, Ye.V., dvazhdy Geroy Sotsialisticheskogo Truda; VOVCHENKO, I.V., kand. sel'khoz. nauk, zasl. agronom Ukr.SSR; VOROB'YEV, N.Ye., st. nauchn. sotr.; GESHELE, E.E., doktor biol. nauk, prof.; ZUBRITSKIY, A.A., agronom; KISEL'GOF, Z.S., inzh., zasl. mekhanizator sel'skogo khoz. Ukr.SSR; KLYUCHKO, P.F., kand. sel'khoz. nauk; KORCHAGIN, A.Ye.; LEBEDEV, Ye.M., st. nauchn. sotr.; NASYPAYKO, V.M., kand. sel'khoz.nauk; PIKUS, G.P., kand. sel'khoz.nauk; REKACH, V.N., doktor sel'khoz. nauk, prof.; SPIVAK, I.I., sootekhnik; TEMCHENKO, L.V., kand. sel'khoz. nauk; FEDULAYEV, A.A., agronom; YAKOVENKO, V.A., kand. tekhn.nauk; KITAYEV, I.A., kand. sel'khoz. nauk, red.; MUSIYKO, A.S., akademik, red.; VINNITSKIY, S.P., red.; MOLCHANOVA, T.N., tekhn. red.

[For high corn yields] Za bol'shuiu kukuruzu. [By] E.V. Blazhevskii i dr. Odessa, Odesskoe knizhnoe izd-vo, 1962. 173 p. (MIRA 16:7)

1. Zven'yevoy kolkhoza im. Gor'kogo Kotovskogo rayona na Odesshchine (for Blazhevskiy). 2. Glavnyy agronom sovkhoza "Bessarabskiy" (for Korchagin). 3. Ukrainskaya akademiya sel'skokhozyaystvennykh nauk (for Musiyko).
(Ukraine--Corn (Maise))

BLAZHEVSKIY, Ye.V., dvazhdy Geroy Sotsialisticheskogo Truda, zven'yevoy

[Corn]O kukuruze. Kishinev, Partinoe izd-vo TsK KP Moldavii,
1962. 67 p. (MIRA 16:2)

1. Kolkhoz imeni Gor'kogo Kotovskogo rayona Odesskoy oblasti
(for Blazhevskiy).

(Corn (Maize))

1. BLAZHIS A.S.

2. USSR (600)

4. Sheep Breeds.

7. One method for improving the Kuibyshev sheep breed, Sots.zhiv. 14 no. 12, 1952.

9. Monthly List of Russian Accessions, Library of Congress, April 1953, unclass.

Blazhis, A. S.
USSR / Farm Animals. Small Horned Stock.

Q-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54786.

Author : Blazhis, A. S.
Inst : Not given.
Title : The Lithuanian Black Head Breed of Sheep.

Orig Pub: Ovtsevodstvo, 1957, No 10, 12-16.

Abstract: The Lithuanian Black Head breed is of the meat type of early maturity. It was obtained by crossing coarse-wool sheep (the North Short-tailed) with rams of the Black Head and Shropshire breeds. The fleece wool has a staple structure, is of white color, and the color of the hair on the head and feet varies from bright brown to black. The average live weight of ewes is 54.3 kg. (38-89), of rams 79.3 kg. (58-117); the wool yield is 3 and 4.6 kg., respectively; wool length is 9 and 9.7 cm., respectively.

Card 1/2

40

USSR / Farm Animals. Small Horned Stock.

Q-3

Abs Jour: Ref Zhur-Biol., No 12, 1958, 54786.

Abstract: Fiber thickness of wool is 50-58 grade, the output of pure wool is 55.7%. The wool is uniform and semi-fine. The slaughter weight of castrates aged one year is 53-60%. The average daily weight increase of lambs from birth to weaning is 200-300 and even 390 g. The drawbacks of the breed are: narrowness of the chest, sagging of the rump, and certain dryness of the wool.

Card 2/2

BLAZHIS, B.I., inzh. [Blazys, B.] (Kaunas)

A new formula for the hydraulic calculation of tile drainage pipes.
Gidr.1 mel. 14 no.3:29-32 Mr '62. (MIRA 15:4)
(Drainage) (Pipe, Clay)

L 62494-65 EWT(m)/EWP(b)/EWP(t) IJP(e) JD/HW
ACCESSION NR: AT5009430 UR/3139/64/000/005/0025/0031

AUTHOR: Blazys, I. (Blazhis, I.); Pajeda, R. (Payeda, R.)

TITLE: Colorimetric-complexometric determination of cobalt

SOURCE: Nauchnyye trudy vysshikh uchebnykh zavedeniy Litovskoy SSR: Khimiya i Khimicheskaya tekhnologiya, no. 5, 1964, 25-31

TOPIC TAGS: cobalt, colorimetric analysis, microchemical analysis

ABSTRACT: The authors describe a colorimetric method for determining cobalt in the presence of nickel, chromium, arsenic, and tungsten with the use of erichrome black T. The method permits determination of cobalt in microgram amounts with an accuracy to 1.2%. Two variations of the method are described.

ASSOCIATION: Kafedra obshchey khimii, Vil'nyuskiy Gosunivervalitet (Department of General Chemistry, Vilna State University)

SUBMITTED: 28Feb65

ENCL: 00

SUB CODE: 10. 30

NR REF SOV: 001

OTHER: 004

Cord 1/1⁷⁷²

BLAZHIS, K. S.

BLAZHIS, K. S.: "Investigation of the effect of certain physicochemical factors on the process occurring in the vegetable tanning of tough hides." Acad Sci Lithuanian SSR. Inst of Chemistry and Chemical Technology. Vil'nyus, 1956. (DISSERTATION For the Degree of Candidate in CHEMICAL SCIENCES.)

So: Knizhnaya letopis, No.24, 1956.

BLAZHIS, K.S. [Blazys, K.]

The effect of sodium bisulfite on the process of tanning sole leather depending upon the meaning of pH. Liet ak darbai B no.4: 125-135 '59 (EAI 9:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.
(Sodium sulfites) (Leather) (Tanning)
(Hydrogen-ion concentration)

BLAZYS K

BLAZYS, K.

The pH influence on the process of vegetable tanning of sole leather. In Russian.

p. 61 (Lechemas, Gersonas) No. 2, 1957, Vilnius, Lithuania

SO: MONTHLY INDEX OF EAST EUROPEAN ACCESSIONS (EEAI) LC, VOL. 7, NO. 1, JAN. 1958

BLAZHIS, K.S. [Blazys, K.]

Binding between sulfur and collagen. Trudy AN Lit. SSR Ser. B
no.3:135-142 '62. (MIRA 18:3)

1. Institut khimii i khimicheskoy tekhnologii AN Litovskoy SSR.

BLAZHIYEVSKIY, L.F. [Blazhyievs'kyi, L.F.]

Calculation of the free energy on the basis of the
representation of interaction in collective variables.
Ukr.fiz.zhur. 10 no.12:1299-1308 D '65.

(MIRA 19:1)

1. L'vovskiy gosudarstvennyy universitet im. Franko.
Submitted January 20, 1965.

YASNOGORODSKIY, V.I.; BLAZHIYEVSKIY, V.F.

Effect of the chemical composition of cast iron and hydrodynamic factors of casting on the output of a suitable product and on the mechanical properties of shot. Lit. proizv. no.1:7-8 Ja '65.
(MIRA 18:3)

BLAZHKA, P.

Biology of crucian carp (*Carassius carassius* (L.) morpha *humilis*
Heckel). Zool. zhur. 39 no.9:1384-1389 S '60. (MIRA 13:9)

1. Department of General and Physiological Zoology, Karlovy University,
Prague.

(Carp)

~~BLAZHEVICH, B.I.; ANIRIYEVSKIY, B.A.~~

Using magnetic modulation pickups in measuring temperature
coefficients for magnetic moments of permanent magnets. Avtom.
kont. i izm. tekhn. no. 1:117-128 '57. (MIRA 11:6)
(Magnetic measurements)

BLAZHKEVIC H. B. I.

PLANNING BOOK KIROVODAVTS NOV/NOV

Abstracts from Zhurnalov ENI. Institut Elektricheskii
Yuznyy obshchego elektropromyshlennyya (Overall Problems of the Electric
Instrument Industry) Kiev, 1960. 266 p. 5,000 copies printed.

Additional sponsoring Agency: Nauchno-tekhnicheskoye obshchestvo prirobovostroyeniya
promyshlennosti. Ukrainskoye respublikanskoye prestavleniye.
Editorial Board: A. D. Matyushko, Corresponding Member, Academy of Sciences
Ukrainian SSR (Morg. Kh.); N. I. Levin, Doctor of Technical Sciences,
P. P. Ornatelskiy, Candidate of Technical Sciences, V. P. Petrichenko, Candi-
date of Technical Sciences, A. P. Dorozovskiy, Engineer, S. Sh. Zakhvalskiy,
Engineer, and S. A. Salibov, Ed. of Publishing House: B. A. Skanitskiy, Tech.
Kh. K. I. Yatskov.

NOTES: This book is intended for technical personnel working in the fields of
electric measurement techniques, in electrical instruments plants, in
plants of electric power systems and in electric measurement laboratories of
plants.

CONTENTS: This is a collection of reports presented at a conference on the "Cre-
ated" and "New" in the Soviet electrical instrument industry held in Kiev on
July 20-22, 1960. The conference was convened by the Institute of Electric
Instruments of the USSR (Institute of Electrical Engineering, Academy of Sciences,
USSR) and the Ukrainian republicanskye prestavleniye PVO prirobovostroyeniya
promyshlennosti (Ukrainian Republic Administration of PVO of the Instru-
ment-making Industry). Problems relating to electrical instrument-making as a
whole (reports by A. D. Matyushko, P. P. Ornatelskiy, Ya. S. Avroukh, Ye. O.
Shvachko) were discussed, as well as problems relating to the development of
reference instruments (Ya. S. Avroukh, I. K. Kozlovskiy), the automation of
electric-measuring circuits (A. M. Strachanov, L. Ya. Matyushko, G. I. Gornalshchik),
theory and practice of magnetic measurements (I. P. Kozlovskiy, G. I. Gornalshchik),
expanding the operating range of instruments (I. P. Kozlovskiy, G. I. Gornalshchik),
improving the accuracy of instruments (I. P. Kozlovskiy, G. I. Gornalshchik),
instruments of plants ("Yuznyy" in Kiev), "Nobelskiy" in Kiev,
"Nobelskiy" in Odesk, ZIP in Kremenchuk and others) and of various
electric power systems. No personalities are mentioned. References are
omitted. See, also, 390011.

Reference: K. Ya. Devits for Determining Characteristics of Reactive
Resistor Networks 166

Among the devices described are those used for determining the
characteristics of reactive magnetic materials, those with
compensating coils, and bridge-type devices. Induction and
field intensity errors are reviewed with comparisons being given
between the various described devices. Data are 5 references;
1 Soviet and 1 German.

Abstracts: Ya. A. and B. I. Matyushko. Use of Magnetic Modulation
Instruments for Measurement of the Temperature Factor of Permanent
Magnet Negative Moments 169

The author reports a new method of measuring the temperature
dependence of the magnetic moment of permanent magnets using the
use of a magnetic modulation transmitter. The magnetic mo-
ment is determined, and errors in the proposed method are analyzed.
Data are 4 references, all Soviet.

Abstracts: Ya. S. High Precision A-C Devices for a Broad Range of
Kind Frequencies 179

The author suggests a series of electrodynamic devices of
simplified construction which would permit the use of an
expanded range of frequencies at a considerable reduction in
power. Data are 6 references; 5 Soviet and 1 English.

Abstracts: I. K. Type D57 Electrodynamic Reference Instruments of
the Precision Class 0.1 190

The author describes instruments which are to be constructed in
accordance with the specifications of GOST 1045-52 (All-USSR
State Standard 1045-52).

Abstracts: I. K. Type K502 Permanent-Magnet Moving-Coil Reference
Instruments of the 0.1 Class 201

The author describes K502-type instruments having the fol-
lowing measurement boundaries: 0.15, 0.3, 0.75, 1.5, 3,
and 7.5 amperes; 45 and 75 millivolts; and 1.5 and 3 volts.

BLAZHKEVICH, Bogdan Ivanovich[Blazhkevych, B.I.]; VELICHKO, Yu.T.,
prof., doktor tekhn. nauk, otv. red.; KHOTENKO, A.O., tekhn.
red.

[Principal methods for analyzing linear electric circuits]
Osnovni metody analizu liniinykh elektrychnykh kil. Kyiv, Vyd-
vo Akad. nauk URSR, 1961. 274 p. (MIRA 15:6)
(Electric circuits)

BLAZHKEVICH, B.I.

General method for analyzing linear electric networks with
multiterminal circuits. Avtom.kont. i izm.tekh. no.5:7-21
'61. (MIRA 14:11)

(Electric circuits)

BLAZHKEVICH, B.I.; VERKHOVTSEV, V.S.; VOROBEVICH, V.Yu.; RAKO, M.A.;
SINITSKIY, L.A.; SMIRNOV, N.I.; SHKOL'NIY, V.A.

Magnetic semiconductor millivoltmeter for measuring the
electromotive force of thermocouples. Avtom.kont. i izm.
tekh. no.5:142-148 '61. (MIRA 14:11)
(Millivoltmeter)

S/651/62/000/006/001/010
E140/E135

AUTHORS: Blazhkevich, B.I., and Kompaneits, L.G.

TITLE: Application of the theorem of residues to the case of multiple poles of a transform

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut mashynoznavstva i avtomatyky, L'viv. Avtomaticheskyy kontrol' i izmeritel'naya tekhnika. no.6. 1962. 7-10.

TEXT: Normally all poles of a function are required in order to be able to evaluate the function. The contribution of each pole may be found, however, individually applying L'Hopital's rule (in the present paper the Wagner-Carson transform is used). Formulae are given for the case of poles of multiplicities 1,2,3. The complexities of the formulae increase rapidly with the order of the pole, and the authors consider that for higher orders their applicability is questionable. ✓

Card 1/1

45295

S/651/62/000/006/007/010
E140/E135

9.6000

AUTHORS: Blazhkevich, B.I., and Zubov, V.G.

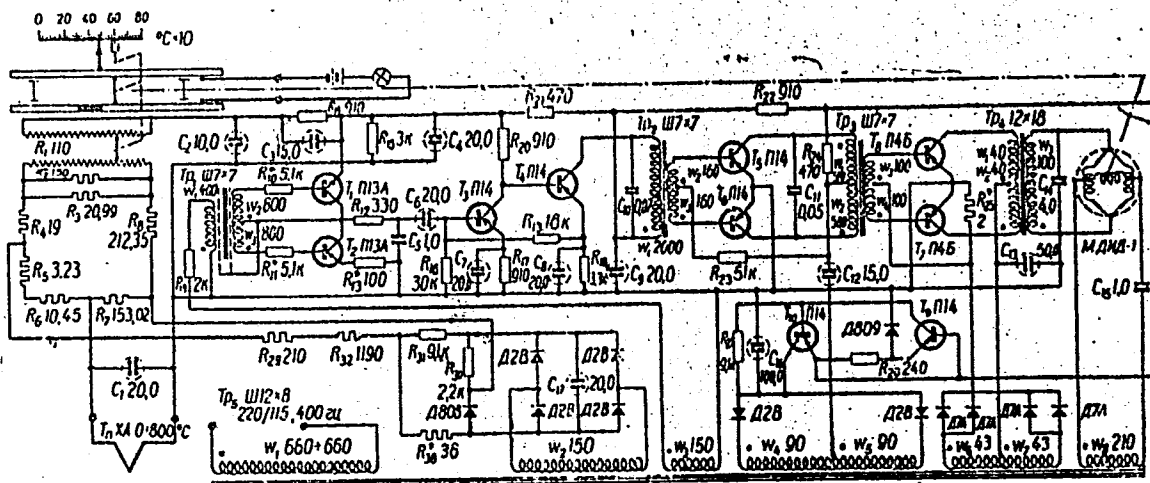
TITLE: New transistorized self-balancing potentiometer for thermocouple measurements

SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut mashynoznavstva i avtomatyky, L'viv. Avtomaticheskyy kontrol' i izmeritel'naya tekhnika. no.6. 1962. 128-132.

TEXT: The article describes МПАК (МПАК), a miniature transistorized self-balancing potentiometer for use in the range 0 to 800 °C, with an error not exceeding 0.5% of full scale indication. This potentiometer was developed at the Institut mashinovedeniya i avtomatiki AN USSR (Institute of Science of Machinery and Automatics, AS Ukr.SSR). Fig.1 shows the principle of the device. There are 2 figures. X

Card 1/2

New transistorized self-balancing ... 5/651/62/000/006/007/010
E140/E135



Card 2/2

Fig. 1

S/651/62/000/006/010/010
E140/E133

AUTHORS: Blazhkevich, B.I., and Kuzovkin, S.K.
TITLE: Comparison of electrical methods of compensating the primary signal in induction aerial surveys
SOURCE: Akademiya nauk Ukrayins'koyi RSR. Instytut mashynoznavstva i avtomatyky, L'viv. Avtomaticheskii kontrol' i izmeritel'naya tekhnika. no.6. 1962. 174-183.
TEXT: Because of safety considerations and because of the additional indeterminacy introduced by variations of mutual attitude, it is difficult to obtain large distances between the generator and receiver in aerial geophysical surveys using the method of induced earth currents, where the receiver is suspended in a trailing gondola. Hence a comparative study was made at the Institut mashinovedeniya i avtomatiki AN USSR (Institute of Sciences of Machines and Automation, AS Ukr.SSR) of two methods of direct electrical compensation of the effect of the primary signal: compensation of the primary signal alone; compensation of the resultant signal. It was found that the first permits more accurate detection of the useful signal, while the second has the

Card 1/2

KURILOV, Yevgeniy Nikolayevich; SINITSKIY, Lev Aronovich;
BLAZHKEVICH, B.I., kand. tekhn. nauk, otv. red.;
LABINOVA, N.M., red.; MATVEYCHUK, A.A., tekhn. red.

[Frequency dependence of rectifier networks] Chastotnye
zavisimosti vypriamitel'nykh skhem. Kyiv, Izd-vo Akad.
nauk USSR, 1963. 97 p. (MIRA 16:4)
(Electric current rectifiers)

ACC NR: AT7001495

SOURCE CODE: UR/0000/66/000/000/0065/0076

AUTHOR: Blazhkevich, B. I. (L'vov; Doctor of technical sciences); Kravchenyuk, Yu. P. (L'vov)

ORG: none

TITLE: High-impedance contactless measuring DC/AC voltage converters using varicaps

SOURCE: AN UkrSSR. Teoriya i praktika ustroystv dlya preobrazovaniya elektro-izmeritel'noy informatsii (Theory and practice of devices for the conversion of electrical measuring information) Kiev, Naukova dumka, 1966, 65-76

TOPIC TAGS: varactor diode, electric energy conversion, *electric capacitance, transistorized circuit*

ABSTRACT: The relatively low input impedance of electro-mechanical and transistorized d-c voltage measuring circuits prompted study of varactor diodes as possible high-impedance (10^9 ohms) input elements in these circuits. The basic characteristics of varactor diodes are analyzed with special emphasis given to the temperature dependance of the dielectric constant of the varactor p-n junction and the potential barrier. The dielectric and potential barrier temperature coefficients of USSR-made silicon varactor diodes are cited as $2 \times 10^{-4}/^\circ\text{C}$ and $(3-6) \times 10^{-3}/^\circ\text{C}$, respectively. The dependance of the varactor diode capacitance on the applied d-c voltage may be utilized in d-c/a-c voltage conversion. These circuits may use the amplitude modulating principle usually encountered in bridge or differential circuits or the frequency modulating principle characteristic to tuned LC or RC circuits. Thirteen
Card 1/2

ACC NR: AT7001495

examples of these circuits are given together with the formulas relating the output parameter to the relative varactor capacitance variation, conversion coefficient, and input impedance. The disadvantage of these circuits is their temperature sensitivity which often makes it mandatory to use compensating circuits. Orig. art. has: 1 figure, 2 tables, and 25 formulas.

SUB CODE: 09/ SUBM DATE: 23Jul66/ ORIG REF: 003/ OTH REF: 001/

Card 2/2

BLAZHKIN, A.T.

[Automatic electric driving machinery in mining] Elektromashinnaiia avtomatika v gornom elektroprivode. Moskva, Ugletekhizdat, 1953. 195 p.
(MLRA 6:8)
(Electricity in mining)

BLAZHKIN, A.T.

Blazhkin, A.T., "Electromechanical Amplifiers," Sbornik statey pogornoy elektromekhanike [Collection of Articles on Mining Electromechanics], No 20, Moscow and Khar'kov, 1953, pages 27-59, 16 illustrations (Sverdlovsk Mining Institute).

in V. V. Kikheev

~~BLAZHKIN, Arkadiy Timofeyevich~~; BLOKH, L.S., redaktor; LUCHKO, Yu.V.,
redaktor; KOVALSKO, N.I., tekhnicheskii redaktor

[Electric-machine automatic control of drives in metallurgy plants]
Elektromashinnoe avtomaticheskoe upravlenie privodami na metallurgi-
cheskikh predpriatiakh. Sverdlovsk, Gos. nauchno-tekhn. izd-vo
lit-ry po chernoi i tsvetnoi metallurgii. 1954. 296 p. (MLRA 8:4)
(Automatic control) (Electric machinery)

18(5)

SOV/112-59-1-856

Translation from: Referativnyy zhurnal. Elektrotehnika, 1959, Nr 1, p 115 (USSR)

AUTHOR: Blazhkin, A. T.

TITLE: Methods for Designing a Continuous Automatic-Control System

PERIODICAL: V sb.: Gorn. elektrotehnika. M., Ugletekhizdat, 1957, pp 296-297

ABSTRACT: Bibliographic entry.

Card 1/1

BLAZHKIN, Arkadiy Timofeyevich, prof., doktor tekhn.nauk. Prinsipal
uchastiye: SKURIDIN, V.P., inzh., POPOV, G.A., dotsent, red.;
MIRSKAYA, V.V., red.izd-va; BERESLAVSKAYA, L.Sh., tekhn.red.

[Principles of automatic and remote control in mining] Osnovy
rudnichnoi avtomatiki i telemekhaniki. Moskva, Gos.nauchno-
tekhn.izd-vo lit-ry po gornomu delu, 1959. 417 p. (MIRA 12:11)
(Mining engineering) (Automatic control)
(Remote control)

KOROTAYEV, Aleksey Ivanovich, dotsent, kand. tekhn. nauk; MAKSHANOV, Vladimir Isayevich, kand. tekhn. nauk; BLAZHKIN, A.T., doktor tekhn. nauk, prof., retsenzent; SHCHUROV, N.V., inzh.-elektrik, retsenzent; DVORAKOVSKAYA, A.A., tekhn. red.

[Circuits for the automatic control of electric drives; manual]
Skhemy avtomaticheskogo upravlenia elektroprivodami; uchebnoe posobie . Leningrad, Leningr. mekhan. in-t, 1960. 259 p.

(MIRA 14:7)

(Automatic control) (Electric driving) (Electric circuits)

BLAZHKIN, Arkadiy Timofeyevich, doktor tekhn.nauk, prof.

Experimental determination of the parameters of amplidynes.

Izv. vys. ucheb. zav.; elektromekh. 4 no.3:123-137 '61.
(MIRA 14:7)

1. Leningradskiy mekhanicheskiy institut.
(Rotating amplifiers)

IVANOV, Anatoliy Aleksandrovich; TULIN, V.S., doktor tekhn. nauk,
retsenzent; BLAZHKIN, A.T., doktor tekhn. nauk,
retsenzent

[Theory of automatic control and regulation] Teoriia avto-
matischeskogo upravleniia i regulirovaniia. Moskva, Izd-vo
"Nedra," 1964. 328 p. (MIRA 17:8)

BEREZNIKOVSKIY Sergey Fedorovich, dots., kand. tekhn. nauk;
BESEKERSKIY, V.A., doktor tekhn.nauk, retse'zent;
VASIL'YEV, D.V., doktor tekhn. nauk, retsenzent;
BLAZHKIN, A.T., prof., red.; KVOCHKINA, G.P., red.

[Automatic regulation and control of electrical machines;
some theory problems and elements of control systems] Av-
tomaticheskoe regulirovanie i upravlenie elektricheskimi
mashinami; nekotorye voprosy teorii i elementy sistem up-
ravleniia. Leningrad, Sudostroenie, 1964. 418 p.

(MIRA 17:9)

BLAZHKIN, A.T., doktor tekhn. nauk. prof.; BESEKERSKIY, V.A.,
doktor tekhn. nauk, prof.; AZIMOVA, K.F., kand. tekhn.
nauk, dots.; LANSKOV, V.D., kand. tekhn. nauk, dots.;
FABRIKANT, Ye.A., kand. tekhn. nauk, dots.; GUL'DIN,
Yu.V., inzh. MEYERSON, I.G., dots.. kand. tekhn. nauk, dots.,
retsenzent: FROLOV, B.K., red.

[General electrical engineering] Obshchaia elektrotehnika.
Moskva, Energiia, 1964. 655 p. (MIRA 17:12)

1. Prepodavatel' Leningradskogo mekhanicheskogo instituta
(for Blazhkin, Besekerskiy, Azimova, Lanskov, Fabrikant,
Gul'din).

L 16458-66

ACC NR: AP6009075

SOURCE CODE: UR/0105/65/000/004/0094/0094

AUTHOR: Alatortsev, S. A.; Blazhkin, A. T.; Gladilin, L. V.; Ivanov, A. A.;
Leybov, R. M.; Ozernyy, M. F.; Pirotskiy, P. P.; Rengavich, A. A.; Rozenman, Ye. A.;
Rys'yev, A. V.; Tulin, V. S.; Trop, A. Ya.

ORG: none

33

TITLE: Professor S. A. Volotkovskiy

B

SOURCE: Elektrichestvo, no. 4, 1965, 94

TOPIC TAGS: electric engineering personnel, mining engineering

ABSTRACT: In this salute to Prof. Volotkovskiy on his 60th birthday, the dozen signers of the article state that he, as head of the department of electrification of mining operations and industrial enterprises of the Dnepropetrovsk mining institute, has been a leader in the electrification and modernization of mining processes. In the field since 1920, Sergey Andronikovich completed his studies in the Dnepropetrovsk mining institute. He worked in the institute from 1930-1941. He became a doctor of technical sciences and professor in 1950, while at the Sverdlovsk mining institute. He returned to the Dnepropetrovsk mining institute in 1959. A member of the party since 1927, he has published over 130 works. Orig. art. has: 1 figure.

[JPRS]

SUB CODE: 08, 09 / SUBM DATE: none

UDG: 622:621.311.002,5

Card 1/1mc

ACC NR: AP7002240

SOURCE CODE: UR/0280/66/000/006/0101/0109

AUTHOR: Blazhkin, K. A. (Leningrad); Fridman, V. M. (Leningrad)

ORG:: none

TITLE: An algorithm of instructing a linear perceptron

SOURCE: AN SSSR. Izvestiya. Tekhnicheskaya kibernetika, no. 6, 1966, 101-109

TOPIC TAGS: ~~process~~ pattern recognition, linear ^{function} perceptron, learning ^{mechanisms} ~~perceptron, teaching~~
programmed teaching

ABSTRACT:

A method of instructing a linear perceptron whose output element is taken in the form of an adder to separate input situations into classes (to recognize the objects) is proposed. A mathematical model of the process of instruction and recognition is presented which consists in establishing in the perceptron the correspondence between the object (α_j) to be recognized and a certain number

$$\lambda_j = (\beta_j, V) - \theta \tag{1}$$

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where the first term is the scalar product of vectors V (characteristic vector of the perceptron) and β (the vector formed on the field of neurons); and the second term is the threshold value. The recognition problem is reduced to determining a vector V simultaneously satisfying the inequalities:

$$\begin{aligned}
 (\beta_j, V) - \theta &\geq 0 \text{ at } j = 1, 2, \dots, r, \\
 (\beta_j, V) - \theta &< 0 \text{ at } j = r+1, r+2, \dots, m.
 \end{aligned}
 \tag{2}$$

The general form of the vector V is determined by the method of successive approximations and the scheme (procedure) for teaching the perceptron is presented. It is proven that the process of teaching the perceptron converges to the solution of the system of inequalities (2) in a finite number of steps. The relation between the method of instructing a perceptron and the iterative procedure of solving a system of linear algebraic equations is shown. Orig. art. has: 26 formulas.

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