

SOLGANIK, G.; POLYANSKIY, O.

Natural gas in the blast furnace. IUn.tekh. 4 no.8:24-25 Ag '60.  
(MIRA 13:9)

(Gas, Natural) (Blast furnaces)

RZHAYSKIY, Yefim L'vovich; POLYANSKIY, O.I., red.; FEDOTOVA, I.G.,  
tekhn. red.

[Mechanized cleaning of tanks] Mekhanizatsiia zachistki rezer-  
vuarov. Moskva, Gos. nauchno-tekhn. izd-vo nef. i gorno-  
toplivnoi lit-ry, 1961. 44 p. (MIRA 14:5)  
(Tanks--Cleaning) (Petroleum products--Storage)

POLYANOVSKIY, O.L.; TORCHINSKIY, Yu.M.; Prinimali uchastiye:  
MALKOVA, M.G.; KOSAREVA, Ye.A.; SISAKYAN, N.M., akademk,  
glav. red.; BAYEV, A.A., zam. glav. red.; BRAUNSHTEYN,  
A.Ye., red. toma; VETROVA, I.B., red. izd-va; ZUDINA, V.I.,  
tekhn. red.; DOROKHINA, I.N., tekhn. red.

[Molecular mechanism of enzyme action and inhibition; symposium 4]  
Molekuliarnye osnovy deistviia i tormozhenia fermentov; simpo-  
zium IV. Moskva, Izd-vo Akad. nauk SSSR, 1962. 361 p. (Its:  
Trudy) (MIRA 16:2)

1. International Congress of Biochemistry. 5th, Moscow, 1961.
2. Chlen-korrespondent Akademii nauk SSSR (for Braunschtein).  
(ENZYMES)

POLYANOVSKIY, O.L.

Interaction of highly purified aspartic-glutamic transaminase  
with reagents that block sulfhydryl groups. Biokhimiia 27 no.4:  
734-743 J1-Ag '62. (MIRA 15:11)

1. Institute of Radiation and Physico-Chemical Biology, Academy  
of Sciences of the U.S.S.R., Moscow.  
(MERCAPTO GROUP) (GLUTAMIC-OXALACETIC TRANSAMINASE)

ACC NR: AP7000781

SOURCE CODE: UR/0208/66/006/006/1119/1127

AUTHOR: Polyanskiy, O. Ye. (Moscow); Lebedeva, N. G. (Moscow)

ORG: none

TITLE: Note on one class of self-similar motions of a relaxing gas

SOURCE: Zhurnal vychislitel'noy matematiki i matematicheskoy fiziki, v. 6, no. 6, 1966, 1119-1127

TOPIC TAGS: hypersonic aerodynamics, similarity theory, relaxing gas, unsteady flow, hypersonic flow

ABSTRACT: One-dimensional self-similar motion of a relaxing gas displaced by a piston according to an exponential law  $U_s = U_0 e^{kt}$  is considered. Gasdynamic parameters of the flow field between the piston and shock wave are calculated from a system of ordinary differential equations describing one-dimensional, unsteady flows of relaxing gas which allows a certain class of self-similar solutions under certain assumptions. The applicability of the results obtained to investigation of hypersonic relaxing gas flows past slender sharp-nosed bodies is considered by using the hypersonic equivalence principle. Orig. art. has: 6 figures. [AB]

SUB CODE: 20/ SUBM DATE: 27Dec65/ ORIG REF: 005/ OTH REF: 001/  
ATD PRESS: 5109

Card 1/1

UDC: 517.9:533.7

POLYANSKIY, O.Yu. (Moskva)

Applicability of the law of plane sections to the hypersonic  
motion of deformed bodies in nonhomogeneous unsteady media.  
Inzh. zhur. 5 no.4:608-611 '65. (MIRA 18:9)

L 61521-65 EWT(1)/EWP(m)/EWA(d)/FCS(k)/EWA(1) Pd-1

ACCESSION NR: AP5016226

UR/0373/65/000/003/0003/0008

AUTHOR: Polyanskiy, O. Yu. (Moscow)

TITLE: On instability of certain steady state flows of a relaxing gas

19  
B

SOURCE: AN SSSR. Izvestiya. Mekhanika, no. 3, 1965, 3-8

TOPIC TAGS: relaxation, relaxing gas flow, equilibrium flow, frozen flow, relaxation equation, high frequency excitation, low frequency excitation, attenuation

ABSTRACT: One-dimensional flows of a relaxing gas with a constant cylindrical stream cross section and with delayed excitation of inert degrees of freedom are discussed. Various phases of instability which were observed at velocities lying in the range between equilibrium and frozen velocities of sound are analyzed and exact analytical solutions describing these flows are derived. Asymptotic laws of attenuation of high- and low-frequency excitations are established, that is, when high-frequency excitations form the front part of the wave, the attenuation is very fast but when the front part of the wave is determined by low-frequency excitation the attenuation is quite slow. Orig. art. has: 8 figures and 22 formulas. [AB]

ASSOCIATION: none

Card 1/2

L 61521-65

ACCESSION NR: AP5016226

SUBMITTED: 30Jun64

ENCL: 00

SUB CODE: ME

NO REP SOV: 003

OTHER: 000

ATD PRESS: 4037

*dm*  
Card 2/2



M0030100

SOURCE CODE: UR/0421/06/000/004/0030/0036

AUTHOR: Polyanskiy, O. Yu. (Moscow)

ORG: none

TITLE: Special characteristics of the unsteady state flow of a supersonic gas stream around a body

SOURCE: AN SSSR. Izvestiya. Mekhanika zhidkosti i gaza, no. 4, 1966, 30-36

TOPIC TAGS: supersonic flow, unsteady flow, gas flow

ABSTRACT: The article considers the problem of the flow of a supersonic gas stream around a pointed body, in particular a wedge, at small Strouhal numbers. In unsteady state motion, the gas dynamic flow parameters in the region around a body depend on the previous history of the motion of the body. Let  $L$  be the length of the body, and  $V_0$  the velocity of its motion. Then, in the case

$$S = \frac{L}{V_0 T} \ll 1, \quad M > 1, \quad \frac{M}{M-1} \sim 1 \quad (1.1)$$

the time of the effect of the previous motion,  $\tau$ , is small in comparison with the time of the unsteady state process,  $T$

$$\tau \sim \frac{L}{V_0 M-1}, \quad \frac{\tau}{T} \sim S \frac{M}{M-1} \ll 1 \quad (1.2)$$

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L 09397-67

ACC NR: AF6030106

For the unsteady state motion of a body with one degree of freedom,  $x$ ,  $y$ , and  $z$  are designated as the coordinates of a point in space in a Cartesian inertial system of coordinates, with respect to  $L$ ;  $\alpha$  is the angle of attack of the body. Let  $z = \Phi(x, y, \alpha(t))$  be the equation for the surface of the body. We expand the function  $\Phi$  in a Taylor series in the neighborhood  $t = t_1$

$$z = \Phi(x, y, \alpha(t_1)) + \left( \frac{\partial \Phi}{\partial t} \right)_{t_1} (t - t_1) + \dots \quad (1.3)$$

Evaluation of the order of the terms in this expression gives

$$\varphi \sim 1, \quad \frac{\partial \Phi}{\partial x} \sim 1, \quad \frac{d\alpha}{dt} \sim \frac{1}{T} \quad (1.4)$$

The article proceeds to a mathematical solution of the problem of flow in the compression zone near a wedge (or plate) vibrating in a supersonic flow. Orig. art. has: 26 formulas and 4 figures.

SUB CODE: 20/ SUBM DATE: 01Jul65/ ORIG REF: 003/ OTH REF: 005

Card 2/2

LUR'YE, G.B., prof.; POLYANSKIY, P.M., kand.tekhn.nauk; PANTYUKHOV, I.V.;  
TUROVA, V.M.

Automatic control of the grinding of tracks for conical roller  
bearings. Mashinostroitel' no.1:16-18 Ja '65.

(MIRA 18:3)

MEL'NIKOV, S.M.; FOMICHEV, A.I.; PANKRATOV, V.N.; POLYANSKIY, P.T.

Mining 58,200 tons of coal in 31 workdays with the "Donbass-2k" cutter-loader. Ugol' 40 no.8:75-76 Ag '65.

(MIRA 18:8)

1. Glavnyy inzh tresta Oktyabr'ugol' (for Mel'nikov).
2. Shakhta No.33/34 tresta Oktyabr'ugol' kombinata Karagandaugol' (for Fomichev, Pankratov, Polyanskiy).

VAYNKOF, Ya.F., kand. tekhn. nauk; LUYK, I.A., ; BOBILYEV, I.B.,  
inzh.; KOIMAROV, V.M., inzh.; LINDENSKIY, G.I., inzh.;  
MIRKIN, F.S., inzh.; POKHANSKIY, S.K., inzh.

[Album for the technical maintenance of the ZIF-55  
compressor plant] Al'bum tekhnicheskogo obsluzhivaniya  
niza kompressornoi stantsii ZIF-55. Moskva, Stroizdat,  
1964. 120 p. (MIRA 18:1)

1. Nauchno-issledovatel'skiy institut stroitel'nogo  
proizvodstva.

VAYNKOF, Ya.F., kand. tekhn. nauk; LUYK, I.A.; BOLIYEV, I.B.,  
inzh.; POLYANSKIY, S.K., inzh.; KOLMAKOV, V.M., inzh.;  
LIGETSKIY, G.I., inzh.

[Manual on the technical maintenance of the E-153-A excavator]  
Al'bom tekhnicheskogo obsluzhivaniia ekskavatora  
E-153-A. Moskva, Stroizdat, 1964. 155 p. (MIRA 18:2)

1. Nauchno-issledovatel'skiy institut stroitel'nogo proizvodstva.

VAYNKOF, V.Ya., kand. tekhn. nauk; LUYK, I.A., kand. tekhn. nauk;  
BOLIYEV, Ch.B., inzh.; KOLMAKOV, V.M., inzh.; LINETSKIY,  
G.I., inzh.; MIRKH, S.F., inzh.; POLYANSKIY, S.K., inzh.;  
RYSHKOVSKIY, V.N., inzh.

[Album for the maintenance of the D-144 motor grader] Al'bom  
tekhnicheskogo obsluzhivaniia avtogreidera D-144. Moskva,  
Stroiizdat, 1965. 79 p. (MIRA 18:3)

1. Nauchno-issledovatel'skiy institut stroitel'nogo pro-  
izvodstva.

POLYANSKIY, S.N., inzh.

Locking device for excavators. Mekh. stroi. 21 no.1:24 Ja '64.  
(MIRA 17:4)



MIL'NER, B.; POLYANSKIY, V.

The All-Union Scientific and Technical Conference on Improving the  
Organization of Auxiliary Work in Machinery Manufacturing. Sots. trud  
7 no.12:135-139 D '62. (MIRA 16:2)  
(Machinery industry—Congresses)

MIKHAILOV, M.Ya.; ZHDANOV, V.M.; POLYANSKIY, V.A.

Tensor of viscous stresses and the heat flow in a two-temperature partially ionized gas. PMTF no.3832-46 My-Je '64.

(MIRA 17.6)

ACCESSION NR: AP4041190

S/0207/64/000/003/0032/0042

AUTHORS: Aliyevskiy, M. Ya. (Sverdlovsk, Moscow); Zhdanov, V. M. (Sverdlovsk, Moscow); Polyanskiy, V. A. (Sverdlovsk, Moscow)

TITLE: Tensor of viscous stresses and thermal flow in a two temperature partially ionized gas

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 3, 1964, 32-42

TOPIC TAGS: stress tensor, thermal flow, ionized gas, kinetic equation, magnetic field, particle collision, electron temperature, ion temperature, nonisothermal plasma, diffusion heat

ABSTRACT: The authors extend the work of a previous paper by M. Ya. Aliyevskiy and V. M. Zhdanov (Uravneniya porenosa dlya neizotermicheskoy mnogosortnoy plazmy\*. PMTF, 1963, No. 5) in which they found a closed system of equations of transfer for multicomponent ionized gas in a magnetic field by using the kinetic equation and the approximation of thirteen moments in conjunction with the distribution function. The relations for the tensor of viscous stresses and the vector of thermal flow in the same gas are studied. Linear algebraic equations are used for the separate components coming from the general system of equations

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ACCESSION NR: AP4041190

of transfer under the assumption that the macroscopic parameters of the gas vary slowly at distances of the order of effective length of free run and for a time of the order of time between particle collisions. The coefficients are simplified for the special case of a three-component partially ionized gas where the electron temperature differs from that of ions and atoms. The authors estimate the contribution of each of the components to the complete tensor of viscous stresses and thermal flow, depending on the degree of ionization, the magnitude of the magnetic field, and the degree of nonisothermality of the plasma. They give detailed expressions for the coefficients of viscosity and heat conductivity of a two-temperature gas in a magnetic field. Orig. art. has: 61 formulas.

ASSOCIATION: none

SUBMITTED: 10Mar64

ENGL: 00

SUB CODE: ME

NO REF SOV: 004

OTHER: 008

Card 2/2

L 27206-65 EWT(1)/EWT(m)/EPA(sp)-2/EPA(w)-2/EEC(t)/T/EWA(m)-2 Pz-6/Po-l/Pab-10/  
PI-L IJP(c) AT

ACCESSION NR: AP5002859

S/0207/64/000/005/0011/0017

AUTHOR: Polyanskiy, V. A. (Moscow)

TITLE: Diffusion and conduction in a partially ionized polythermal gas mixture

SOURCE: Zhurnal prikladnoy mekhaniki i tekhnicheskoy fiziki, no. 5, 1964, 11-17

TOPIC TAGS: diffusion coefficient, diffusion mobility, ionized gas, electro-magnetic field, Boltzmann constant, Maxwell equation, transport coefficient

ABSTRACT: The author presents the expressions for the diffusion current and generalized coefficients of diffusion in a partially ionized gas mixture with different component temperatures sustained by an electromagnetic field. For the starting point in this analysis, he takes the set of transport equations obtained from the kinetic equations with the 13-moment method by M. Ya. Aliyevskiy and V. M. Zhdanov (Uravneniya perenosa dlya neizotermicheskoy mnogosortnoy plazmy. PMTF 1963, No. 5). The Landau type collision integrals were used for particles interacting through Coulomb forces, and Boltzmann type integrals were used for neutral particles. Starting from the macroscopic equations and Maxwell's equations, expressions were derived for the generalized Ohm's law, for the mobility coefficients, and for the conductivity. The following expression was derived for the mass flow current

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$$\begin{aligned}
 \mathbf{J}_\alpha = \sum_\beta \frac{m_\alpha}{kT_\alpha} \left\{ \left[ G_{\alpha\beta}^\perp + \frac{0.4}{kn_\beta} \sum_{\gamma, \delta} b_{\gamma\delta} (\lambda_{\delta\beta}^\perp D_{\alpha\gamma}^\perp - \lambda_{\delta\beta}^\wedge D_{\alpha\gamma}^\wedge) \right] \text{div } \pi^\beta + \right. \\
 \left. + \left[ G_{\alpha\beta}^\parallel - G_{\alpha\beta}^\perp + \frac{0.4}{kn_\beta} \sum_{\gamma, \delta} b_{\gamma\delta} (\lambda_{\delta\beta}^\parallel D_{\alpha\gamma}^\parallel - \lambda_{\delta\beta}^\perp D_{\alpha\gamma}^\perp + \right. \right. \\
 \left. \left. + \lambda_{\delta\beta}^\wedge D_{\alpha\gamma}^\wedge) \right] (\text{div } \pi^\beta \cdot \boldsymbol{\kappa}) \right\} + \left[ G_{\alpha\beta}^\wedge + \frac{0.4}{kn_\beta} \sum_{\gamma, \delta} b_{\gamma\delta} (\lambda_{\delta\beta}^\wedge D_{\alpha\gamma}^\perp + \right. \\
 \left. + \lambda_{\delta\beta}^\perp D_{\alpha\gamma}^\wedge) \right] (\text{div } \pi^\beta \times \boldsymbol{\kappa}) \cdot
 \end{aligned}$$

Here  $\alpha$  refers to the species,  $n$  is the partial pressure,  $k$  is the Boltzmann constant,  $T$  is the temperature,  $\parallel$  and  $\perp$  refer to the directions parallel and perpendicular to the magnetic field,  $\wedge$  and  $\boldsymbol{\kappa}$  is a unit vector in the direction of the magnetic field. The diffusion coefficients and the coefficients  $G$  are related by

$$\begin{aligned}
 D_{\alpha\beta}^\parallel &= \frac{kT_\alpha}{m_\alpha} \frac{|a^{(0)}|_{\beta\alpha} - |a^{(0)}|_{\alpha\alpha}}{|a^{(0)}|}, & D_{\alpha\beta}^\perp &= \frac{kT_\alpha}{m_\alpha} \frac{|a^{(0)}|_{\beta\alpha} - |a^{(0)}|_{\alpha\alpha}}{|a^{(0)}|} \\
 D_{\alpha\beta}^\wedge &= -\frac{kT_\alpha}{m_\alpha} \sum_{\gamma, \delta} a_{\gamma\delta}^{(0)} \frac{(|a^{(1)}|_{\beta\delta} - |a^{(1)}|_{\alpha\delta}) |a^{(0)}|_{\gamma\alpha}}{|a^{(1)}| |a^{(0)}|}, & G_{\alpha\beta}^\parallel &= D_{\alpha\beta}^\parallel - \sum_\gamma c_\gamma D_{\alpha\gamma}^\parallel.
 \end{aligned}$$

The conductivity along the magnetic field is given by

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ACCESSION NR: AP5002859

$$D_{\alpha\beta} = - \sum_{\alpha} e_{\alpha} n_{\alpha} K_{\alpha}^{||} \beta$$

where

$$K_{\alpha}^{||} = \sum_{\beta} \frac{n_{\beta}}{n_{\alpha} k T_{\alpha}} \left( e_{\beta} - \sum_{\gamma} \frac{m_{\beta}}{m_{\gamma}} c_{\gamma} e_{\gamma} \right) D_{\alpha\beta}^{||}$$

Here  $a_{\alpha\beta}$  and  $b_{\alpha\gamma}$  are Chapman-Cowling coefficients. The various coefficients are computed for the case when the anisotropies appearing in the transport can be considered small. The coefficient of ambipolar diffusion for such a gas is obtained in the form

$$D_{\alpha}^{||} = \frac{Z\theta^{-1} G_{te}^{||} K_{\alpha}^{||} + Z^{-1} G_{at}^{||} K_{\alpha}^{||}}{K_{\alpha}^{||} + K_{\beta}^{||}}$$

Orig. art. has: 35 formulas.

ASSOCIATION: none

SUBMITTED: 16Jun64

ENCL: 00

SUB CODE: ME

NO REF SOV: 004

OTHER: 002

Card 3/3

POLYANSKIY, V.B.; ISAKOVA, T.V.

Inversion of light-induced potentials in the visual cortex of rabbits in a wakeful state. Zhur. vys. nerv. deyat. 15 no.1: 140-147 Ja-F '65. (MIRA 18:5)

1. Kafedra fiziologii vysshey nervnoy deyatelnosti i kafedra psikhologii Moskovskogo gosudarstvennogo universiteta.



POLYANSKIY, V.S.

Distribution of induced potentials to light in various layers  
of the visual cortex in rabbits. Zhur. vys. nerv. deiat. 11  
no.5:867-875 S.-O '62. (MIRA 17:12)

1. Chair of Physiology of Higher Nervous Activity, Moscow  
University.

LEVCHUK, V.N., inzh.; YEVTUSHENKO, V.V., inzh.; POLYANSKIY, V.I., inzh.

Crosscutting of shaft bottoms in Vorkuta mines. Shakht. stroi. 2  
no.8:22-23 Ag '64. (MIRA 17:9)

1. Pechorskiy nauchno-issledovatel'skiy ugol'nyy institut (for  
Levchuk, Yevtushenko). 2. Shakhtostroitel'noye upravleniye No.1  
kombinata Pechorshakhtostroy (for Polyanskiy).

POLYANSKIY, V.K. [Polians'ky, V.K.]; VASHCHENKO, V.I.

Use of gas kinetic pheomena in determnining the surface temperature  
of heated bodies. Ukr. fiz. zhur. 10 no.2:206-210 F '65. (MIRA 13:4)

1. Chernovitskiy gosudarstvennyy universitet.

POLYANSKIY, V.K.

Using a scraper winch for roadbed reconditioning. Put' i put.khoz.  
7 no.2:8 '63. (MIRA 16:2)

1. Starshiy master po remonty zemlyanogo polotna, st. Ilanskaya,  
Vostochno-Sibirskoy dorogi.  
(Winches) (Railroads—Maintenance and repair)

L 27402-65 EWT(m)/EWP(t)/EWP(b) JD

8/0185/65/010/002/0206/0210

29  
B

ACCESSION NR: AP5005915

AUTHOR: Polyans'kyy, V. K. (Polyanskiy, V. K.); Vashchenko, V. I.

TITLE: Utilization of gas-kinetics phenomena for measuring the surface temperature of heated bodies

SOURCE: Ukrayins'kyy fizychnyy zhurnal, v. 10, no. 2, 1965, 206-210

TOPIC TAGS: surface temperature measurement, radiometric effect, thermocouple, accommodation coefficient, temperature measurement JM

ABSTRACT: A method is presented for indirect determination of the surface temperature of heated bodies to which conventional temperature measuring methods are not applicable, e.g., crystals growing by sublimation, the oxide layer of thermionic tubes, luminescent bodies to which optical methods are not applicable. The proposed method is based on the previously postulated radiometric effect (M, Knudsen. Ann. Phys., v. 34, 823, 1911). The surface to be measured (A) is placed in a vacuum opposite a second body (B) of the same size and shape but made of a material to which a thermocouple method is applicable. A thin metal foil is suspended between the two bodies; a small mirror is located at the bottom of the suspension support. The pressure on each side of the foil will depend on the temperature of the two

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ACCESSION NR: AP5005915

bodies. At different temperatures, the foil deviates from its original position, and the degree of deviation is registered on a scale on which a light is reflected from the mirror. When the temperature of body B has been measured, the temperature of body A can be calculated by the equation:  $T_1 = T_2 (\gamma_2 / \gamma_1)$ , where  $T_1$  is the temperature of body A;  $T_2$  is the temperature of body B; and  $\gamma_1$  and  $\gamma_2$  refer to the accommodation coefficients of the two bodies. The sensitivity of the method depends on the sensitivity of the thermocouple used, on the pressure, and on the temperature of the two bodies. The method, which may also be used for determining the  $\gamma$  of the body, is applicable at pressures ranging from  $10^{-2}$  to 1 mm Hg. Orig. art. has: 1 figure and 9 formulas. [PS]

ASSOCIATION: Chernivets'kyi derzhuniversytet (Chernovtsy State University)

SUBMITTED: 10Apr64

ENCL: 00

SUB CODE: TD

NO REF SOV: 002

OTHER: 004

ATD PRESS: 3192

Card 2/2

POLYANSKIY, Vladimir Grigor'yevich; ZAV'YALOVA, A.N., red.;  
PONOMAREVA, A.A., tekhn. red.

[New developments in the organization of industrial production  
in enterprises] Novoe v organizatsii promyshlennogo proizvodstva  
na predpriiatiakh. Moskva, Ekonomizdat, 1962. 156 p.  
(MIRA 16:3)

(Industrial organization)

*POLYANSKIY, Yu. I.*  
POLYANSKIY, Yu. I.

Some problems in the parasitology of fishes of the Barents Sea.  
Trudy Murm. biol. sta. :175-183 '57. (MIRA 11:2)  
(Barents Sea--Parasites--Fishes)



POLYANSKIY, Yu.I.; KHEYSIN, Ye.M.

Some observations on the development of Babesiella bovis in a  
carrier tick. Trudy Kar.fil.AN SSSR no.14:5-13 '59.

(MIRA 15:12)

(Karelia--Babesiella)

(Ticks as carriers of disease)

POLYANSKIY, Yu. I., prof., red.; PETROVICHEVA, O.L., red.; VODOLAGINA,  
S.D., tekhn. red.

[Ecological parasitology; collection of articles] Ekologicheskaya  
parazitologiya; sbornik statei. Pod red. I.U.I. Polianskogo.  
Leningrad, 1959. 203 p. (MIRA 12:12)

1. Leningrad. Universitet.  
(Parasites)

POLYANSKIY, Yu.I.; GOLIKOVA, M.N.

Infusorians from the intestines of sea urchins. Report No.3:  
Infusorians from sea urchins of the Barents Sea. Zool.zhur.  
38 no.8:1138-1145 Ag '59. (MIRA 12:11)

1. Chair of Invertebrate Zoology, Leningrad State University.  
(Barents Sea--Infusoria) (Parasites--Sea urchins)

POLYANSKIY, Yu.I.

Darwinism and problems of cytology; one-hundredth anniversary of  
the publication of Charles Darwin's "Origin of species". *Tsitologiya*  
1 no.5:477-485 S-0 '59. (MIRA 13:2)

1. Institut tsitologii AN SSSR, Leningrad.  
(CYTOLOGY) (EVOLUTION)

POLYANSKIY, Yu.N.

M.V.Lomonosov and biophysics. Biofizika 7 no.4:493-500 '62.  
(MIRA 15:11)  
(LOMONOSOV, MIKHAIL VASIL'EVICH, 1711-1765)  
(BIOPHYSICS)

POLYANSKIY, N.S., Maj

PA 50T59

USSR/Medicine - Bacteria  
Medicine - Septicemia

Dec 1947

"Duration of Infection in Humans Caused by Breslau  
Bacillus," Maj N. S. Polyanskiy, Med Corps, 2½ pp

"Voyenno-Medits Zhur" No 12

Under adverse conditions of the body Breslau B. will enter the blood stream and cause septic type of disease. Can enter the body through the alimentary tract as well as skin abrasions. As yet, no method of isolating Breslau B. from the organs of the body, and studies being carried out.

LC

50T59

PA 244T32

POLYANSKIY, N. S.

USSR/Medicine - Dysentery

Mar 53

"Data Contributing to the Explanation of Immunity in Flexner Dysentery," N. S. Polyanskiy

"Zhur Mikrobiol, Epidemiol, i Immunobiol" No 3, pp 37-40

The causes of transition of acute dysentery into chronic dysentery have not been clarified as yet. Recovery from dysentery does not result in immunity. Vaccinated vaccines also do not produce immunity. Vaccination should be carried out before the possibility of infection arises, i.e., immediately after

244T32

birth and before teething. A live vaccine should be used and the vaccine must remain in the body for many years just as the anti-tuberculosis vaccine does.

244T32

POLYANSKIY, N.S., zasluzhenny vrach respublikl

Conduct of the placental stage and therapy of hypotonic hemorrhages.  
Akush.i gin. no.4:52-54 J1-Ag '54. (MLBA 7:11)

1. Iz Bryanskogo roditel'nogo doma (glavnyy vrach N.S.Polyanskiy)  
(LABOR,  
third stage & ther. of hypotonic hemorrh.)  
(UTERUS, hemorrhage,  
in labor, ther. & conduction of third stage)  
(HEMORRHAGE,  
uterus, in labor, ther. & conduction of third stage)



POLYANSKIY, N.S., kandidat meditsinskikh nauk (Polotsk)

Modifications in the mucous membrane of the distal portion of  
the intestine in bacillary dysentery. Klin. med. 32 no.8:26-  
31 Ag '54. (MLRA 7:10)

(DYSENTERY, BACILLARY, pathology,  
mucous membrane of distal intestine)

(MUCOUS MEMBRANE,  
intestinal, pathol. in bacillary dysentery)

ПОЛЯНСКИЙ, Н.С.

ПОЛЯНСКИЙ Н.С.

O patogenese tak nazyvaemogo maliarnogo kolita.  Patho-  
genesis of so-called malarial colitis/ Klin. med., Moskva  
No. 3 Mar. 50 p. 88-9.

NAI

POLYANSKIY, N.S., kandidat meditsinskikh nauk(Polotsk)

Indications for establishing a diagnosis of dysentery; discussion on the article of prof. A.F. Bilibin, corresponding member of the Academy of Medical Sciences of the U.S.S.R. Terap.ar.kh.27 no.3:81-83. '55. (MLRA 8:10)  
(DYSENTERY, diagnosis)

KOGAN, Grigoriy Yefimovich; UNIGOVSKIY, Mikhail Rakhmilovich;  
KRAYZEL'MAN, S.M., red.; POLYANSKIY, O.I., vedushchiy red.;  
MUKHINA, E.A., tekhn.red.

[Welding equipment and field installations for the welding  
of main pipelines] Svarochnye agregaty i polevye ustanovki  
dlia svarki magistral'nykh truboprovodov. Moskva, Gos.  
nauchno-tekhn.izd-vo neft. i gorno-toplivnoi lit-ry, 1961.  
64 p. (MIRA 14:4)  
(Pipelines--Welding) (Welding--Equipment and supplies)

ZHILINSKIY, Petr Pavlovich; KRAYZEL'MAN, S.M., red.; POLYANSKIY, O.I.,  
vedushchiy red.; TROFIMOV, A.V., tekhn.red.

[Mobile pipe-cleaning machines] Peredvizhnye trubochistnye  
mashiny. Moskva, Gos.nauchno-tekhn.izd-vo nefi. i gorno-  
toplivnoi lit-ry, 1960. 82 p. (MIRA 14:3)  
(Pipelines--Cleaning)

ASHKINAZI, Mikhail Isayevich; POLYANSKIY, O.I., vedushchiy red.;  
TROFIMOV, A.V., tekhn.red.

[Tanks with torispherical roofs; construction and operation]  
Rezervuary so sferotsilindricheskoi kryshei; opyt stroitel'stva  
i ekspluatatsii. Moskva, Gos.nauchno-tekhn.izd-vo nef. i  
gorno-toplivnoi lit-ry, 1960. 40 p.  
(Tanks) (MIRA 13:12)

IVANTSOV, Oleg Maksimovich; POLYANSKIY, O.I., vedushchiy red.; MUKHINA,  
E.A., tekhn. red.

[Underground storage of liquid hydrocarbon gases] Podzemnoe khra-  
nenie zhidkikh uglevodorodnykh gazov. Moskva, Gos. nauchno-  
tekhn. izd-vo neft. i gorno-toplivnoi lit-ry, 1961. 55 p.  
(MIRA 14:9)

(Liquefied gases—Storage)

LAVROV, Gavril Yefimovich; POLYANSKIY, O.I., ved. red.; TROFIMOV,  
A.V., tekhn. red.

[Modern horizontal boring machines] Sovremennye mashiny gori-  
zontal'nogo bureniia. Moskva, Gostoptekhzdat, 1961. 85 p.  
(MIRA 15:7)

(Boring machinery)



ABRAMZON, Leonid Semenovich; ILEMBITOV, Mukhametgaley Safich; SHLIDERMAN, Vladimir Yakovlevich; POLYANSKIY, O.I., vedushchiy red.; FEDOTOVA, I.G., tekhn. red.

[Ejector pumping of petroleum products with high vapor tensions]  
Ezhektornaia vykachka nefteproduktov s vysokoi uprugost'iu parov.  
Moskva, Gos. nauchno-tekhn. izd-vo nef. i gorno-toplivnoi lit-ry,  
1961. 76 p. (MIRA 14:8)  
(Ejector pumps) (Petroleum products)

10 6121 also 1121  
17. 4210 1327

87791  
S/040/60/024/005/014/028  
C111/C222

AUTHOR: Polyanskiy, O.Yu. (Moscow)

TITLE: On the Fading of Shock Waves in the Movable Medium With a Variable Density and Temperature

PERIODICAL: Prikladnaya matematika i mekhanika, 1960, Vol.24, No.5, pp.912-915

TEXT: Under the assumption that the shock wave is weak and the wave length is much smaller than the characteristic length of the problem, the author considers the propagation of shock waves in the movable medium with a variable pressure and temperature. Let

(1.1)  $\frac{\Delta p}{p} \ll 1, \quad \frac{l}{H} \ll 1, \quad \frac{l}{R} \ll 1,$

where  $\Delta p$  is the surplus pressure,  $l$  is the length of the wave,  $H$  is the characteristic length  $\equiv$  length on which the parameter of the problem variate essentially,  $R$  is the radius of curvature of the wave front. Let the solutions of the motion equations in acoustic approximation be known (denoted by a prime:  $\Delta p', l'$ ). The author seeks the fading of the shock wave with a linear pressure profile being additional in comparison

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X

On the Fading of Shock Waves in the Movable Medium With a Variable Density and Temperature

with the acoustic approximation, along an arbitrary ray  $\xi(x,y,z)$ . In acoustic approximation it holds

$$(1.4) \quad l'(t) = l_0 \frac{N(t)}{N(t_0)} \quad (l_0 = l(t_0), \quad \frac{N(t)}{N(t_0)} = \frac{N(\xi)}{N(\xi_0)} = \frac{a(\xi) + u_n(\xi)}{a(\xi_0) + u_n(\xi_0)}),$$

where  $u_n = \vec{u} \cdot \vec{n}$ ,  $\vec{n}$  is the unit vector of the normal of the wave front,  $\vec{u}$  is the gas velocity. According to the method of L.D.Landau (Ref.1) the author obtains the following expressions for the wave length  $l$  and the surplus pressure  $\Delta p_\phi$  (for a wave with a linear pressure profile) on the wave front:

$$(1.5) \quad l(\xi) = l_0 \frac{N(\xi_0)}{N(\xi)} \sqrt{1 + \phi(\xi, \xi_0)}, \quad \phi(\xi, \xi_0) = \frac{1}{l_0} \frac{N(\xi_0)}{N(\xi)} \int_{\xi_0}^{\xi} \frac{\Delta p_\phi}{\xi a} \frac{d\xi}{U_\phi}$$

$$(1.6) \quad \Delta p_\phi(\xi) = \frac{\Delta p'_\phi}{\sqrt{1 + \phi(\xi, \xi_0)}}$$

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On the Fading of Shock Waves in the Movable Medium With a Variable Density and Temperature

where  $U_* = a \sqrt{1 + \frac{2u_n}{a} + \left(\frac{u}{a}\right)^2}$ ,  $\xi_0$  is the situation of the shock wave in the moment  $t_0$ ,  $\rho$  is the density,  $a$  the sound velocity, for ideal gases  $\alpha = \frac{\kappa+1}{2}$ ,  $\chi = \frac{c_p}{c_v}$ , for air  $\alpha = 1.2$ .

The author considers as special cases: 1. A resting isothermal medium with a variable density:

$$(2.1) \quad \Delta P_\phi = \frac{\Delta P_0}{(\xi/\xi_0)^\nu} \sqrt{\frac{\rho}{\rho_0}} \frac{1}{\sqrt{1+m_\nu \Psi(\xi, \xi_0)}}$$

where

$$m_\nu = \frac{\alpha \Delta P_0 \xi_0}{1_0 a_0^2 \rho_0}, \quad \Psi(\xi, \xi_0) = \int_{\xi_0}^{\xi} \frac{d\xi}{(\xi/\xi_0)^\nu \xi_0 \sqrt{\rho/\rho_0}}$$

and  $\nu = 0, 1/2, 1$  for plane, cylindrical and spherical waves. 2. A medium  
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87791

S/040/60/024/005/014/028  
C111/C222

On the Fading of Shock Waves in the Movable Medium With a Variable  
Density and Temperature

in which all hydrodynamic parameters of the undisturbed state depend only  
on one coordinate, e.g.  $z$ .

The author mentions O.S.Ryzhova. There are 12 references: 9 Soviet,  
1 English and 2 American.

[Abstracter's note: (Ref.1) concerns a paper of L.D.Landau in Prikladnaya  
matematika i mekhanika, 1945, Vol.9, No.4 ]

SUBMITTED: May 10, 1960

Card 4/4

POLYANDRY, O.Ye. (Moskva)

Instability of some steady relative gas flows. Izv. AN SSSR.  
Mekh. no.3:3-8. My-Je '65. (MIRA 12:?)

L 62241-65 EWT(1)/EWP(m)/EWG(v)/FCS(k)/EWA(c) WW

ACCESSION NR: AP5021523

UR/0258/65/005/004/0608/0611  
533.601.1.55

AUTHOR: Polyanskiy, O. Yu. (Moscow)

28  
B

TITLE: On the applicability of the equivalence principle to the motion of a non-rigid body at hypersonic speed in inhomogeneous media

SOURCE: Inzhenernyy zhurnal, v. 5, no. 4, 1965, 608-611

TOPIC TAGS: hypersonic flow, unsteady flow, dimensional flow, plane flow, steady flow, hypersonic aerodynamics, similarity theory

ABSTRACT: The applicability of the equivalence principle to the unsteady motion of a nonrigid body at hypersonic speed in an inhomogeneous fluid whose state depends on time is considered. The conditions for applying this principle are established by considering an unsteady flow of an inhomogeneous fluid near the surface of a blunted, slender body during the time interval  $t_1 - \Delta t < t < t_2$ , where  $\Delta t$  at hypersonic speed is equal to  $b/v$  in order of magnitude,  $b$  and  $v$  being the characteristic values of the length of the chord of the profile and the velocity, respectively. The order of magnitude of gas dynamic parameters in the disturbed region of the flow near the body surface and the restrictions to be applied to the

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ACCESSION NR: AP5021523

Flow field and character of the body motion are evaluated. The gas dynamics equations describing the flow are derived and boundary conditions established. These equations and conditions are consistent with those of unsteady, one-dimensional gas flow in an inhomogeneous fluid. Orig. art. has: 12 formulas. [AB]

ASSOCIATION: none

SUBMITTED: 18Nov64

ENCL: 00

SUB CODE: ME

NO REF SOV: 002

OTHER: 003

ATD PRESS: 4075

Card 2/2 *ADP*



POLYANSKIY, O. Yu. (Moskva)

Attenuation of shock waves in a moving medium with varying  
density and temperature. Prikl. mat. i mekh. 24 no.5:912-915  
S - 0 '60. (Shock waves) (MIRA 14:3)

YEVDOKIMOV, E.S., vetvrach; POLYANSKIY, P.A., vetfel'dsher; IBRAGIMOV,  
I.N., inzh.

Proposals for improving the Komarov disinfection apparatus.  
Veterinariia 35 no.8:82 Ag '58. (MIRA 11:9)

1. Turkmenskaya respublikanskaya vetbaklaboratoriya (for Yevdo-  
kimov, Polyanskiy). 2. Ashkhabadskiy tekhnikum mekhanizatsii  
sel'skogo khozyaystva (for Ibragimov).  
(Spraying and dusting equipment)

GIPP, B.A.; GONIKBERG, Yu.M.; KAPLUN, M.M.; LEVENSON, Ye.M.; MARKOV, N.N.;  
POLYANSKIY, P.M.; SHLEZINGER, G.S.; LEVENSON, Ye.M., nauchnyy red.;  
BAYBYROV, B.S., red.; KOCHENOV, M.I., red.; MALYY, D.D., red.;  
PROKOP'YEVA, L.G., red.izd-va; TIKHANOV, A.Ya., tekhn.red.

[Checking devices] Kontrol'nye prisposobleniia. Pod red. B.S.  
Baiburova, M.I.Kochenova i D.D.Malogo. Moskva, Gos.nauchno-tekhn.  
izd-vo mashinostroit.lit-ry, 1960. 338 p.

(MIRA 13:12)

(Measuring instruments)

POLYANSKIY, P. M. and GORODETSKIY, I. G.

Primenenie pnevmaticheskikh metodov kontrolya v mashinostroenii. Moskva, Mashgiz, 1949. 126 p. illus.

Bibliography: p. 126-127.

Using pneumatic methods of control in mechanical engineering.

DLC: TJ1005.G67

SO: Manufacturing and Mechanical Engineering in the Soviet Union, Library of Congress, 1953.

POLYANSKIY, P. I.                      Cand Tech Sci

Dissertation: "Efficient Methods for  
Inspecting the Quality of Surface."

11/10/50

Moscow Machine Tool Inst imeni I. V. Stalin

**SO Vecheryaya Moskva**  
**Sum 71**

1. POLYANSKY, P. M.
2. USSR (600)
7. Checking Surface Finish in the Course of Production, Technical Information Herald, No. 12, 1950
9. Compilation of Information on the USSR Machine and Machine Tool Industry Contained in Soviet Publications. ~~17410-15.~~

POLYNSKIY, Pavel Alesandrovich; TIKHANOVA, Ye.M., red.; DEYEVA, V.M.,  
tekh.red.

[In answer to the party's call] V otvet na prizyv partii. Moskva,  
Gos.izd-vo sel'khoz.lit-ry, 1958. 79 p. (MIRA 11:6)  
(Starchenkovskiy District--Stock and stockbreeding)

S/121/62/000/002/002/004  
DO4G/D113

AUTHORS: Lur'ye, G.B., Polyanskiy, P.M., Mazurkevich, V.V., Kublanov, V.L.,  
Savel'yev, Yu.N., and Fragin, I.Ye.

TITLE: Automation of cylindrical grinding machines

PERIODICAL: Stanki i instrument, no. 2, 1962, 16-21

TEXT: New units designed for automating model 3151, 3161 and 3152 cylindrical grinders are described. These units, also suitable for other grinders of this type, were developed by the Nauchno-issledovatel'skiy institut tekhnologii traktornogo i sel'skokhozyaystvennogo mashinostroyeniya (NIITraktorosel'khoz mash) (Technological Scientific Research Institute of Tractor and Farming Machines) in conjunction with the Moskovskiy avtomekhanicheskiy institut (MAMI) (Moscow Automechanical Institute). A simple grinder equipped with such units is converted into an automatic plunge-cut grinder. The following operations are automated: installing and clamping the work; positioning the work at the side face of the grinding wheel; measuring the work prior to and during grinding, with automatic control commands; moving the grinding head at different speeds; unclamping and removing the work as

Card 1/2



VYSOTSKIY, A.V.; DVORETSKIY, Ye.R.; KONDASHEVSKIY, V.V.; KUZ'MICHEV, V.T.;  
MOROZOV, I.K.; POLYANSKIY, P.M.; TUBENSHLYAK, Z.L.; KHOKHLOVA, G.V.;  
CHASOVNIKOV, G.V.; SHLEYFER, M.L.; BAYBUROV, B.S., red.; KOCHENOV,  
M.I., red.; MALYY, D.D., red.; AKIMOVA, A.G., red. izd-va; EL'KIND,  
V.D., tekhn. red.

[Instruments and devices for operating dimension control in the  
manufacture of machinery] Pribory i ustroistva dlia aktivnogo kon-  
trollia razmerov v mashinostroenii. By A.V.Vysotskii i dr. Moskva,  
Gos. nauchno-tekhn. izd-vo mashinostroit. lit-ry, 1961. 303 p.  
(MIRA 14:9)

(Machinery industry--Equipment and supplies)  
(Automatic control)

POLYANSKIY, P.M.

PHASE I BOOK EXHIBITION 807/5062

Uly, B.A. Ya. M. Gombberg, M.M. Kaplan, Ye. N. Lermanov, B.S. Markov, P.M. Polyanskiy, and G.S. Shiltinger

Kontrol'nye prisoobcheniya (Inspection Equipment) Moscow, Makhizis, 1960. 153 p. Krovka slip inserted. (Series: Progressivnyye sredstva kontrolya razmerov v mashinostroyenii)

Scientific Ed.: Ye. N. Lermanov; Ed. of Publishing House: L.G. Prokhor'yeva; Trans. Ed.: A.Ya. Tikhonov; Eds. for the Series: B.S. Bayburov, M.I. Kochanov, and B.S. Markov; Managing Ed. for Literature on Chemical- and Textile-Machine Building: V.I. Rykova, Engineer.

PURPOSE: This book is intended for designers and technical personnel in the machine-building industry.

CONTENT: The book discusses in detail the design of basic subassemblies and parts of inspection equipment which have proved valuable in shop practice. Various devices for the inspection of dimensional and nondimensional parameters of parts used in machine building are described. The book is a part of a group of works.

Card 1/1

807/5062

Inspection Equipment

on modern means for inspection in manufacturing processes, the publication of which was recommended by the Commission for the Introduction of Progressive Methods and Means of Inspection in Machine Building of the State Scientific and Technical Committee of the Council of Ministers of the USSR. No parallels are mentioned. There are 27 references, all Soviet.

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LUR'YE, G.B.; POLYANSKIY, P.M.; MAZURKEVICH, V.V.; KUBLANOV, V.L.;  
SAVEL'YEV, Yu.N.; FRAGIN, I.Ye.

Automation of circular grinding machines. Stan.i instr. 33  
no.2:16-21 F '62. (MIRA 15:1)

(Grinding machines)  
(Automation)

POLYANSKIY, P.M.

5

PHASE I BOOK EXPLOITATION

SGT/5962

Vysotskiy, A. V., Ye. R. Dvoretzkiy, V. V. Kondashevskiy, V. T. Kuz'michev,  
I. K. Marozov, P. M. Polyanskiy, Z. L. Tubenshlyak, G. V. Khokhlova,  
G. V. Chuzovnikov, and M. L. Shleyfer

Pribory i ustroystva dlya aktivnogo kontrolya razmerov v mashinostroyeni  
(Instruments and Equipment for the Active Control of Dimensions in Machine  
Building) Moscow, Mashgiz, 1961. 303 p. (Series: Progressivnyye sredstva  
kontrolya razmerov v mashinostroyeni) Errata slip inserted. 7000 copies  
printed.

Ed. of Series: B. S. Bayurov, M. I. Kochenov, and D. D. Malyy; Scientific Ed.:  
Ye. R. Dvoretzkiy; Ed. of Publishing House: A. G. Akinova; Tech. Ed.: V. D.  
Ei'kind; Managing Ed. for Literature on Means of Automation and Instrument  
Building: N. V. Pokrovskiy, Engineer.

PURPOSE: This book is intended for technical personnel engaged in the design of  
controlling devices. It may also be useful to students specializing in the  
field of instrumentation at schools of higher technical education and technicians.

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SW/US2

Instruments and Equipment (Cont.)

COVERAGE: Dimensional control instruments and devices used in machine building which have been tested under experimental and industrial conditions are described. Concise information on non-Soviet control systems is also given. The present work is part of a series devoted to modern controlling devices, and was recommended by the Commission of the State Scientific-Technical Committee of the Council of Ministers USSR. The commission was set up to assist in the introduction of advanced methods and devices of dimensional control in machine building. No personalities are mentioned. There are 74 references: 47 Soviet, 20 English, and 7 German.

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DI/wrc/mas  
1-9-62

LUR'YE, G.B., prof., POLYANSKIY, P.M., dotsent, kand.tekhn.nauk

Using an active control system in the automation of grinding  
processes. Vzaim.i tekhn.izm v mashinostr.; mezhvuz.sbor. no.2:480-  
493 '60. (MIRA 13:8)

(Automatic control) (Grinding and polishing)

ТОЛЧАНСКИЙ, И. И.

PLATE I BOOK EXHIBITION 507/АА38  
Vysokomuzhivnosti: 1 tekhnicheskije izopryta v mashinostroyeni: mekhanicheskij  
formuly, no. 2 (Interchangeability and Engineering Measurements in Machinery  
Manufacture), University Collection, No. 2) Moscow, Mashgiz, 1950. 5x2 p.  
Erata slip inserted. 5,000 copies printed.

Ed.: A. I. Yanuker, Doctor of Technical Sciences, Professor; Editorial Council:  
A. I. Yanuker (Chairman); B. A. Tsyul, Doctor of Technical Sciences, Professor;  
Ye. I. Volodin, Doctor; N. M. Gendel, Doctor; P. M. Guberniy, Doctor; and O. Ya.  
Rogovyer (Scientific Secretary); Editors: R. V. Yegorov, Doctor  
of Technical Sciences, Professor; Ed.: B. A. Tsyul; V. P. Korotkiy, Candidate  
of Technical Sciences, Professor; Ye. I. Volodin, Candidate of Technical Sciences,  
Managing Ed. for Literature on Machine Construction (Mashstroi);  
M. V. Pokrovskiy, Engineer; Ed. of Publishing House: G. J. Sokolov; Tech. Ed.:  
I. J. Sokolov.

PERIOD: This collection of articles is intended for scientific and technical  
personnel dealing with problems of interchangeability and engineering measurements  
in the machine and instrument laboratories.

Kovalevich, B. K. [Candidate of Technical Sciences], and N. I. Norkov  
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SECTION III. AUTOMATION OF CONTROL

Kiriy, A. K. [Candidate of Technical Sciences, Doctor]. Methods for  
Automating Accuracy of Automatic Machine Tools and Transfer Machines  
for Ye. G. M. [Professor], and P. M. Polynskiy [Candidate of  
Technical Sciences, Doctor]. Use of Feedback Control in the  
Automation of Grinding Operation

450

Gendel, M. I. System of Setup Adjustment of Machine Tools  
by Using an Adjustable Sensitive Stop

494

Kryukovskiy, V. V. [Candidate of Technical Sciences, Doctor],  
and A. B. Kuznetsov. Replacement of Springs by Load in Feedback  
Control Devices

499

Kiriy, A. V. [Engineer]. Use of Optical Interference of [Square]  
Stresses in Measuring Systems

505

Kravtsovskiy, V. V., and A. N. Chernovskikh [Senior Engineer].  
New Methods of Feedback Dimensional Control

518

1047/4541700  
BOKSERMAN, Yu.I.; POLYANSKIY, R.P.

Liquefaction of natural gas. Gas.prom. no.8:19-25 Ap '56.  
(MLRA 10:7)

(Liquid petroleum gas)

POLYANSKIY, R. P.

0000

✓ 336. LIQUEFACTION OF NATURAL GAS. Bokserman, Yu.N. and Polyanski, R.P.  
(Gaz. Prom. (Gas Ind., Moscow), Aug. 1956, 19-25). The Moscow factory for the  
liquefaction of natural gas, which was commissioned in 1954, is described with  
flow diagrams. It is designed to produce 7 cu.m of liquefied natural gas an  
hour and is automatically controlled. Experiments are in hand on the use of  
liquefied methane on motor vehicles and by remote gas consumers. (L)

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LFH

VAYNKOF, Ya.F., kand. tekhn. nauk; LUYK, I.A., kand. tekhn. nauk;  
BOLIYEV, Ch.B., inzh.; ZHARDINOVSKIY, G.M., inzh.;  
KOLMAKOV, V.M., inzh.; LINETSKIY, G.I., inzh.; MIRKIN, F.S.,  
inzh.; POLYANSKIY, S.K., inzh.; RYSHKOVSKIY, V.N., inzh.

[Album on the maintenance of the 4043 and 4045 motor loaders]  
Al'bom tekhnicheskogo obsluzhivaniia avtopogruzchikov 4043 i  
4045. Moskva, Stroizdat, 1965. 78 p. (MIRA 18:4)

1. Nauchno-issledovatel'skiy institut stroitel'nogo proizvod-  
stva.

VAYNKOF, Ya.F., kand. tekhn. nauk; LUYK, I.A.; BOLIYEV, Ch.B.,  
inzh.; KOIMAKOV, V.M., inzh.; LINETSKIY, G.I., inzh.;  
MIRKIN, F.S., inzh.; POLYANSKIY, S.K., inzh.;  
RYSHKOVSKIY, V.N., inzh.

[Album for the technical maintenance of the K-124 truck  
crane] Al'bom tekhnicheskogo obsluzhivaniia pnevmokoles-  
nogo krana K-124. Moskva, Stroizdat, 1965. 126 p.  
(MIRA 18:4)

1. Nauchno-issledovatel'skiy institut stroitel'nogo proizvod-  
stva.

VAYNKOF, Ya.F., kand. tekhn. nauk; LUYK, I.A.; BOLIYEV, I.B.,  
inzh.; KOLMAKOV, V.M., inzh.; LINEFSKIY, G.I., inzh.;  
MIRKIN, F.S., inzh.; POLYANSKIY, S.K., inzh.

[Album for the technical maintenance of the ZIF-55 compres-  
sor station] Al'bom tekhnicheskogo obsluzhivaniia kompres-  
sornoj stantsii ZIF-55. Moskva, Stroiizdat, 1964. 120 p.  
(MIRA 18:6)

1. Kiev. Nauchno-issledovatel'skiy institut stroitel'nogo  
proizvodstva.



KOLMAKOV, V.M., inzh.; BALIYEV, Ch.B., inzh.; LINETSKIY, G.I.,  
inzh.; POLYANSKIY, S.K., inzh.; LUYK, I.A., inzh.;  
ZHARDINOVSKIY, G.M., inzh.; PEREVALYUK, M.V., red.;  
BOROVNEV, N.K., tekhn. red.

[Album for the maintenance of the LAZ-690 motor crane]  
Al'bom tekhnicheskogo obsluzhivaniia avtokrana LAZ-690.  
Moskva, Stroiizdat, 1964. 110 p. (MIRA 17:3)

1. Akademiya budivnytstva i arkhitektury URSR. Institut  
organizatsii i mekhanizatsii stroitel'nogo proizvodstva.

KOLAKOV, V.M., inzh.; BALIYEV, Ch.B., inzh.; LINETSKIY, G.I.,  
inzh.; POLYANSKIY, S.K., inzh.; LUYK, I.A., inzh.;  
ZHARDINOVSKIY, G.M., inzh.; FEGEVALYUK, M.V., red.

[Album on the technical maintenance of the LAZ-690 motor  
crane] Al'bom tekhnicheskogo obsluzhivaniia avtokrana  
LAZ-690. Moskva, Stroizdat, 1964. 110 p. (MIRA 17:6)

1. Moscow. Nauchno-issledovatel'skiy institut organizatsii  
i mekhanizatsii stroitel'nogo proizvodstva.

KOLMAKOV, V.M., inzh.; BALIYEV, Ch.B., inzh.; LINETSKIY, G.I.,  
inzh.; POLYANSKIY, S.K., inzh.; LUYK, I.A., inzh.;  
ZHARDINOVSKIY, G.M., inzh.; LITKINA, L.S., red.

[Album on the technical maintenance of the K-51 automobile  
crane] Al'bom tekhnicheskogo obsluzhivaniia avtokrana K-51.  
Moskva, Stroiizdat, 1964. 119 p. (MIRA 17:5)

1. Kiev. Nauchno-issledovatel'skiy institut organizatsii i  
mekhanizatsii stroitel'nogo proizvodstva.

LINETSKIY, G.I.; VAYNKOF, Ya.F., kand. tekhn. nauk; MIRKIN, F.S.;  
LUYK, I.A., kand. tekhn. nauk; BOLIYEV, Ch.B.; KOIMAKOV,  
V.M.; POLYANSKIY, S.K.; RYSHKOVSKIY, V.N.; RYAZANTSEVA,  
L.I., red.

[Album on the technical maintenance of the E-12<sup>52</sup> excavator]  
Al'bom tekhnicheskogo obsluzhivaniia ekskavatorov E-1252. Mo-  
skva, Stroiizdat, 1965. 112 p. (MIRA 18:8)

1. Kiev. Nauchno-issledovatel'skiy institut organizatsii i  
mekhanizatsii stroitel'nogo proizvodstva.

POLYANSKIY, S.K., inzh.; BOLYEV, Ch.B., inzh.; KOLMAKOV, V.M., inzh.;  
LUYK, I.A., inzh.; LINETSKIY, G.I., inzh.; GORDEYEV, P.A.,  
red.; BOROVNEV, N.K., tekhn. red.

[Album on the maintenance of the E-652 excavator] Al'bom  
tekhnicheskogo obsluzhivaniia ekskavatora E-652. Moskva,  
Gosstroizdat, 1963. 175 p. (MIRA 17:1)

1. Nauchno-issledovatel'skiy institut organizatsii i mekha-  
nizatsii stroitel'nogo proizvodstva.

(Excavating machinery—Maintenance and repair)

POLYANSKIY, S.M.; MARKEVICH, S.M.; POTUDINA, N.L.; KOZLOVA, T.I.

Hydration of tertiary amines in the presence of a KU-2  
cation exchanger and accompanying reactions. Kin. i kat.  
4 no.4:614-619 JI-Ag '63. (MIRA 16:11)

1. Novokuybyshevskiy filial Nauchno-issledovatel'skogo instituta  
sinteticheskogo spirta.

7-147 471 5-1  
STEPANOV, N.I.; POLYANSKIY, S.N.

Innovators at the Kovrov Excavator Plant. Stroitel'no-mashinostr.  
2 no.7:36 J1 '57. (MIRA 10:7)

(Excavating machinery)

I. 41719-66 FTH(a)/110(x)-2

ACC NR: AT6011829 (A) SOURCE CODE: UR/3176/65/000/001/0110/0119

AUTHOR: Karasik, Ye. Ya.; Lozhkomoyev, I. A.; Novikov, A. I.; Polyanskiy, S. V.

ORG: none

50  
8+1

TITLE: Narrow-band telemetry system a

SOURCE: Vsesoyuznyy nauchno-issledovatel'skiy i proyektno-konstruktorskiy institut kompleksnoy avtomatizatsii v neftyanoy i gazovoy promyshlennosti. Trudy, no. 1, 1965. Avtomatizatsiya tekhnologicheskikh protsessov (Automation of technological processes), 110-119.

TOPIC TAGS: telemetry system, telemetry technique, *NARROW BAND TRANSMISSION*

ABSTRACT: Developed by the Institute of Automatics and Telemechanics, AN SSSR, and tested by the Grozny Branch of the VNIKANeftegaz, a new telemetry system is described which: (a) uses a frequency band as narrow as 12 cps, (b) sends signals over a 6/0.4-kv electric-power distribution network, (c) uses no 280-cps carrier isolating choke coils, and (d) employs transmitters of only 1-3-w capacity. The signal transducer at the sending end and the pulse-time signal selector at the receiving end are based on a special bridge-type semiconductor exponential converter. The transmitter generates two pulses: a sync pulse and a parameter

Card 1/2



L 41719.66  
ACC NR: AT6011829

pulse. The sync pulse triggers a pulse generator at the receiving end; the parameter pulse stops this generator; the number of counted pulses represents the measurand. The counter controls either a digital display device or an electric printer. Block diagrams and some principal circuits are shown. Preliminary tests have shown a basic system error (less transmitter) of  $\pm 0.5\%$ . Orig. art. has: 12 figures and 11 formulas.

SUB CODE: 09 / SUBM DATE: none / ORIG REF: 003

Card 2/2

MT

IL'IN, V.K.; HOVIKOV, A.I.; POLYANSKIY, S.V.; KARASIK, Ye.Ya.

The VST-1 pulse-time telemetering system. Biul.tekh.-ekon.  
inform. no.8:36-37 '59. (MIRA 13:1)  
(Telemeter)

I 21785-66 EBT(1)/EWA(5)

ACC NR: AP6002871

SOURCE CODE: UR/0286/65/000/024/0034/0034

AUTHORS: Novikov, A. I.; Polyanskiy, S. V.

30  
B

ORG: none

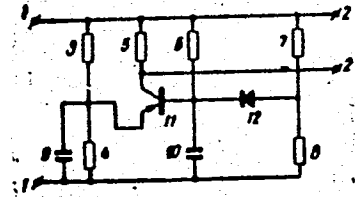
TITLE: A pulse selector.<sup>25</sup> Class 21, No. 176950

SOURCE: Byulleten' izobreteniy i tovarnykh znakov, no. 24, 1965, 34

TOPIC TAGS: pulse analyzer, circuit design

ABSTRACT: This Author Certificate presents a pulse selector containing an RC ladder network. The device selects pulses with a width larger than a specified value and fixes pulses with delayed fronts. It contains a four-arm bridge of resistors and capacitors (see Fig. 1). One diagonal of the bridge holds an emitter-base junction of the transistor. The base of the transistor is connected with the cathode of a diode. The anode of the diode is connected to the mid-point of a resistance divider included in the input of the selector.

Fig. 1. 1-1 - input; 2-2 - output; 3, 4, 6 - bridge resistors; 5 - load resistor; 7 and 8 - resistors of the divider; 9 and 10 - bridge capacitors; 11 - transistor; 12 - diode.



2

Orig. art. has: 1 figure.

SUB CODE: 09/ SUBM DATE: 21Dec62

Card 1/1 *W.R.*

UDC: 621.374.33

EXCERPTA MEDICA Sec 11 Vol 12/4 O.R.L. Apr 59

738. STROBOSCOPY FOR THE EARLY DIAGNOSIS OF CANCER OF THE VOCAL CORD - A hangszalagrákok korai diagnosisának megkönnyítése stroboskopos vizsgálatokkal - Polyańszky T. Budapesti Orvostudományi Egyetem Fül-Orr-Gégeklin., Budapest - FUL-, ORR-, GEGERYOG. 1957. 53/4 (159-164)

Description of stroboscopy and its application in the early diagnosis of vocal cord cancer. A series of 100 cases is studied, among which occurred ordinary vocal cord catarrhs of a chronic nature, pachydermias, nodules, hypertrophy and polyps of the vocal cords, as well as 4 cancers diagnosed early. It is pointed out that this cancer percentage of 4 is far too high to admit of conclusions as to the expected incidence of cancer diagnosis by stroboscopy, from which it becomes clear that 100 cases are not sufficient for the evaluation of percentages. It is nevertheless recommended to make use of stroboscopy for diagnostic purposes to a far greater extent than in the past. (XI, 5, 16)

POLYANSKIY, V.

POLYANSKIY, V.; FARBOVSKIY, V.

Fattening cattle on feed lots. Mias. Ind. SSSR. 25 no.3:39-41  
'54. (MLRA 7:7)

1. Glavzagotakot.  
(Cattle--Feeding and feeding stuffs)

POLYANSKIY, V., starshiy prepdavatel'

Ways of improving the operation of the electrical equipment of "Raketa"-type ships. Rech. transp. 22 no.7:49 J1 '63.(MIRA 16:9)

1. Kafedra elektrotekhniki Gor'kovskogo instituta inzhenerov vodnogo transporta.

(Electricity on ships)

POLYANSKIY, V. [Polanski, W.], polkovnik

Valuable tool in the socialist education of troops. Komm. Vooruzh.  
S11 3 no.8:82-85 Ap '63. (MIRA 16:5)

1. Nachal'nik upravleniya propagandy i agitatsii Glavnogo  
politicheskogo upravleniya Voyska Pol'skogo.  
(Poland—Journalism, Military)

POLYANSKIY, V.

Classification of the participants in a production process.  
Sots. trud 8 no.2457-60 F '63. (MIRA 16:2)  
(Machinery industry)



AYZENBERG, B.L.; BOLOTOV, V.V. ; BRIL', R.Ya.; GERASIMOV, V.N.; GREKOV, V.I.;  
DOVETOV, M.Sh.; KAMENSKIY, M.D.; KLEBANOV, L.D.; KONSTANTINOV, B.A.;  
KUZ'MIN, V.G.; LYUBAVSKIY, V.I.; MELENT'YEV, L.A.; MIKHALEV, N.N.;  
POLYANSKIY, V.A.; RAZDROGINA, L.A.; SIVAKOV, Ye.R.; STARIKOV, V.G.;  
SAVASHINSKAYA, V.I.; SHAYOVICH, L.L.

Igor' Valentinovich Gofman, 1903-1963; obituary. Trudy LIEI  
no.51:3-4 '64. (MIRA 18:11)

POLYANSKIY, V.A.; SOLOV'YEV, A.M.

Comparative efficiency of converter systems. Trudy LIEI  
no.51:213-226 '64. (MIRA 18:11)

MARKOV, L.I.; ISTOMIN, G.V.; KRESTIN, G.I.; KESSEL', I.V.;  
POLYANTSEV, V.A., red.

[Guzeripl' Logging Camp]Guzeripl'skii lespromkhoz. [n.p.]  
TSentr. nauchno-issl. in-t mekhanizatsii i energetiki les-  
noi promyshl. 1962. 5 p. (MIRA 16:4)  
(Guzeripl' region--Lumbering)

POLYANSKIY, V.

Major chemical industrial complexes require.... Prof.-tekh.  
obr. 21 no.5:9 My '64. (MIRA 17:6)

1. Nachal'nik Tul'skogo oblastnogo upravleniya professional'no-  
tekhnicheskogo obrazovaniya.