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6. (A) 8/032/63/029/004/009/016 1004/1127 Moletilev, B.V., Oveyandkov, B.N. ATTRACE -Notel tensile tests at very low temperatures TITLE FERIODICALS, Savodskaya laboratoriya, no. 4, 1963, 474 - 477 The authors analyse methods of metal tempile tests at the boil-TEXT: ing point of liquid hydrogen. The specimens were cooled and deformed in a modified and improved Dewar low-temperature vessel. Whe tests were carried out on a multipurpose P-5 (R-5) testing machine at a deformation rate of 2 m/ain. It is recommended to use cylindrical specimens as this reduces the error magnitudes. The nature of the stressed state arising during the deformation of the specimens can be established according to the angular distribution of stresses, in particular, the very substantial effect of bending at low loads. The total error of determining the mechanical character-, istics by this method amounts to 5 - 7% of the maximum stress. Based on a statistical analysis it was found that reliable results are obtained with this method both for brittle and ductile metals. There are 5 figures and 1 table. .

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238 ηz. \$ 경험관 승규는 문 8/032/63/029/004/009/016 Metal tensile tests at A004/A127 ABSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut chernoy Retallurgii in. I.P. Bardina (Central Scientific-Research Institute of Ferrous Netallurgy in. I.P. Bardin) Institute of Ferrous Metallurgy in. I.P. Bardin) Card 2/2 1.20 Q

ACCESSION NR: AT4001248

furnaces with seals to ensure hermeticity of the system at relatively large displacements of the clamps of the testing machine, heating elements for the furnace, and control circuitry. Some operating features of the furnaces are discussed. Orig. art. has: 15 figures.

ASSOCIATION: Tsentral'ny*y nauchno-issledovatel'skiy institut chernoy metalurgii (Central Scientific Research Institute of Ferrous Metallurgy)

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ENP(q)/ENT(a)/BDS AFFTC/ 8/032/63/129/005/020/022 ALT THE Lebodev, D. V.; Melekhin, A. K. and Oveyannikov, B. Temperatures up to 1500° in air TULE PERIODICAL: Zavodskaya laboratoriya, v. 29, mo. 5, 1963, 618-619 The furnace (600 x 250 x 200 um) was made of asbestos cement 15 um THEY : thick with stainless steel plates at the openings and with MoSig heating elements. The temperature on the test piece was measured with a thermocouple by ins of a potentiomster. The load was applied to the test piece after it was ented and while it was held at 1500°C. There are three figures. ASSOCIATION: Teentral'my mauchno-issledovatel'skiy institut chernoy motallurgii im. I. P. Bardina (Contral Scientific Research Institute of Ferrois Metallurgy ineni I. P. Bardin) 20/72 Carl 1/1 are in the second

- in the second L = 27760-65 EWT(m)/EWP(w)/EPF(c)/EPF(n)=2/EPR/T/EWP(b)/EWP(t)/EWA(d) Prat Ps-4/Pu-4 JD s/2776/64/000/038/0115/0118 ACCESSION NR: AT5003403 AUTHOR: Lebedev, D. V.; Molotilov, B. V.; Oysyannikov, B. H. TITLE: Tensile testing equipment for very low temperatures , & SOURCE: Moscow. Tsentral'nyy nauchno-issledovatel'skiy institut chernoy metal-Sbornik trudov, no. 38, 1964. Novyye metody ispytaniy metallov; metallograficheskiye issledovaniya i mekhanichoskiye ispytaniya metallov (Hew methods in the analyses of metals; metallographic investigations and mechanical analyses of metals), 115-118 TOPIC TAGS: tensile testing, cryostat, liquid helium, liquid nitrogen, low temp-ิกใ erature test ABATRACT: The development of solid state physics requires an ever-increasing number of methods suitable for low temperature testing, and particularly unidirectional static tensile tests. The authors' Institute has been working on the simplification of available tensile testing machines. An improved design was also sought with a view to reducing the amount of He used as a coolant. Furthermore, the new machine was to have a capacity for testing single crystals, polycrystalline microsamples and standard cylindrical specimens 4 to 5 mm in diameter or Card 1/3

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ACCESSION ME: ATSO03403 flat specimens 3 to 5 mm thick. several models a cryostat sugge nient and compact. Loss of hea the connections and the use of ant. isolation from the ambien uid nitrogen. The loads applie tem. A centering device provid working chamber was isolated with clad with Cr. Ni or Ag. However	t through its walls was rubber membranes prevent at air was improved by a d were recorded by mean ded reliable centering of	diminished by tighter ed the leakage of the ditional cooling with of an oscillography f the work piece. The speets, 0,1 mm this	kong mvæ- hing a cool- h liq- sys- a ck,
Orig. ert. has: 3 figures. ASSOCIATION: Tsentral'nyy neu Moscow (Central ferrous metall commutation 00	chno-issledovatel'skly in urgy scientific research ENCL: 01	nstitut charnoy metal institute) SUB CODE: SS	e de la Recipie de Recipie de la Recipie de
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8/2776/64/000/031/0119/0122 ACCESSION NR: AT5003404 AUTHOR: Demidov; N. N.; Kobozzy, Yu. S.; Dysyamikov; B. M. TITLE: Development and application of contactless (in power circuits) furnace temperature control methods during creep and stress supture strength tests BOURCE: Noscow, Tsentral'nyy nauchio-issledovatel'dkiy institut chernoy metallurgli. Sbornik trudov, no. 38, 1964. Novyys metod; ispytanly metallov; metal-lograficheskiye issledovaniys i mekhanicheskiye ispy:aniya metallov (New methods. in the analyses of metals; metallographic investigations and mechanical analyses of metals), 119-122 TOPIC TAGS: saturation choke, contactless temperature control, furnace temperature, temperature regulation, creep test, stress rupture strength test, tester reliability ABSTRACT: The authors investigated the possibility of introducing a more advanced contactless method of temperature control by means of a saturation choke which would enable the use of a centralized remote control system, eliminate substantial rheostat heat emission into the working area, and facilitate maintenance. In earlier papers, the design and employment of saturation chokes as a means of in-Card 1/2 (2, 1, 2, 2, 2)

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ACCESSION NR: AT5003404		n 1999 - Names I and anna a gu an Silan I an Anna an Anna Anna 1997 - N	
on the outer cores and a flux passes only through excitation coil. The fu voltage is 0 for the ini choke capacity is fully of the heating elements equal to 2. Both are co	a the primary circuits of furns in discussed. The iron saturat a D.C. excitation coll on the co the outer cores. The A.C. vo prace heating range lies betwee tial 300 C and 25 v for the ma employed by connecting the cho through an autotransformer who praced individually to each o	ion choke has an A.C enter core. The mag ltage is not induced en 300 and 800 C and ximum temperature. We to the primary ci- se transformation far	. coil netic by the the The rcuit ctor is
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KK s/0032/61/030/002/0228/0229 ACCESSTON NE: APAO13314 WTECE: Ovsympnikov, B. M.; Lebedev, D. V.; Felekhin, A. K.; Vol'nov, N. M. TITLE: An installation for testing long range durability under vecuum at temperaturns up to 18000 SCURCE: Zavodskaya leboratoriya, v. 30, no. 2, 1964, 228- 29 TOFIC TAGS: durability, durability test, long range durability, vacuum effect, terpersture effect, vacuum oven, heated vacuum oven ABSTRACT: The installation consisted of a two-section steel vacuum oven of cylindrical shape, 29 cm in diameter and 30 cm long, provided with e water jecket and two centrelly located rediation heaters. By these means it was possible to bring the temperature up to 1300C within 20 minutes and to 1800C within 65 minutes. However, it was found that a too repid rise of temperature caused an accelerated evolution of gases from the test samples placed in the oven, which affected the vacuum. A gradual step-by-step rise in temperature was found to be the proper procedure. An additional source of error in a vacuum of fluctuating magnitude was due to the presence of equalization loads of the leverage system of the testing machine. Figure 1 on the Enclosures gives the structural details of the vacuum oven, Cent be les Ind of Ferring Metalling. Contract of

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	L 39323-65 ENT(d)/ENT(m)/ENP(w)/ENP(c)/ENA(d)/ENP(v)/EPR/T/ENP(t)/FUP(t)/FUP(t)/FUP(t)/ ACCESSION NR: AP5007680 ENP(b)/ENP(1)/ENA(c) Pf_4 5/0032/65/031/005/0567/0569 JD/HN/EM AUTHORS: Andrianov, Tu. Ye.; Lebedev, D. V.; Ovayannikov, B. M. 50 H) D)
	TITLE: A method for strain testing small specimens at a temperature up to 1600C in
	a vacuum SOURCE: Zavodskaya laboratoriya, v. 31, no. 3, 1965, 367, 369
	TOPIC TAGS: vacuum chamber, material, material atrength, metal deformation, vacuum, plastic deformation, elastic deformation/ IRM 0.2 machine
ļ	ABSTRACT: A technique of strain testing microspecimens under vacuum (or in inert gas) at temperatures up to 1600C is described. The method employs the IRM-0.2 7 material testing device described by V. P. Konoplenko and D. K. Vinogradov (Zavodskaya Laboratoriya, No. 1, 1959). The basic machine parameters are: maximum load capacity 1000 kg, direct loading; scale divisions 0-100, 0-400, 0-600, 0-800, and 0-1000 kg; maximum temperature 1600C; vacuum pressure 1 x 10-4 mm Hg; deforma- tion rates 1 and 2 mm/minute; automatic diagram recording: deformation scale 45:1: required potential at maximum test temperature 2 kilovolt). The machine permits of the variables describing the size of a test specimen. The optimal size of a test specimen was considered to be that size which allows the blosest approximation of
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L 39323-65 3 ACCESSION NR: AP5007680 the test to standard conditions and allows the use of the recording devices for description of mechanical properties. Tests were performed to find the optimal specimen dimensions, and concrete recommendations are made for specification of temperature control and measurement during the testing. Results indicate that the prescribed methods are in complete accord with the standard testing routines prescribed in GOST 1497-61. Orig. art. has: 3 figures. ASSOCIATION: Tsentral'nyy nauchno-issledovatel'skiy institut ohernoy metallurgii in I. P. Bardina (Central Scientific Research Institute of Forrous Metallurgy) SUB CODE: 101 EICL: 01 SUBSTITUTED: 00 OTHER : 000 TO REP SOV: 002 Cord 2/3





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ACC NR: AP6010101 SOURCE CODE: UR/0129/66/000/003/0064/0 AUTHOR: Lebedev, D. V.; Maslenkov, S. B.; Ovsyannikov, B. M.	32
ORG: TENIICHERMET	.3/
TITLE: Mechanical properties of E1827 alloy at low temperatures	B
SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 3, 1966, 64	
TOPIC TAGS: nickel alloy, chromium containing alloy, tugsten containing all molybdenum containing alloy, aluminum containing alloy, alloy property, low ture property / EI827 alloy	oy, tempera-
ABSTRACT: The tensile and yield behavior of EI827 <u>nickel</u> alloy $(0.032C, 9.857, 0.577, 0.557, 0.557, 0.557, 0.577, 0.557, 0.557, 0.577, 0.557, 0.557, 0.577, 0.557, 0.557, 0.577, 0.557, 0.577, 0.557, 0.577, 0.557, 0.577, 0.557, 0.577, 0.557, 0.577, 0.557, 0.577, 0.577, 0.557, 0.577, 0.5$	th \ rature kg/mm ² ; a drop a, around observed s smooth, alloys at
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Solidar: Moscow. Tsontral'nyy nas mouallurgii. Obornik trudov, no. studis ani all ys), 86-92	uchno-isslodovatol'skiy institut chornsy 46, 1966. Spotsial'ayyo stali i splavy (Spocial
TOPID TABLE steel, alloy steel, land MICE steel	chromium steel, nicelateel, metal test /
the ribbon. The study supplement Sepichinetskiy (Singrammy rearist 1950). The microstructure and gr function of the annealing second results are presented graphically critical deformation of the ribbo	thermal treatment and proliminary information of thermal treatment and proliminary information of a the results of 1. L. Regalberg and it
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AUTHOR :	Ovsyannikov, B. Y., Candidate of Technical Sciences, and Kudrin, O.I., Candidate of Technical Sciences
TITLE :	Exhaust Nozzle of a Piston Engine With the Addition of Atmospheric Air (Vykhlopnoy reaktivnyy patrubok porshnevogo dvigatelya s prisoyedineniyem atmosfernogo vozdukha)
PERIODICAL:	Trudy Moskovskogo aviatsionnogo instituta, 1958, Nr 97; Addition of a Supplementary Volume in Jet Apparatus (Prisoyedineniye dopolniteling massy v struynykh apparatakh) pp 181-190 (USSR)
ABSTRACT: Card 1/2	The authors consider the problem of using the kinetic energy of exhaus gases for the addition of atmospheric air. They describe the test installation used in their research, give some numerical data and several graphs illustrating their findings. The main problems of their research were: 1. to determine whether the installation of an augmenter on jet nozzles of aircraft piston engines leads to a notice- able thrust increase in spite of the high frequency of their cycles (600-1200 cycles/minute); 2. to determine the influence of the pres- sure of the supercharger on the thrust of the combined jet. The authors arrived at the following conclusions: 1. The addition of atmospheric air to jet exhaust gases by means of an open ejector

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Ovsyannikov, Boris Viktorovich

- Teoriya i raschet nasosov zhidkostnykh raketnykh dvigateley (Theory and Design of Pumps for Liquid Fuel Rocket Engines) Moscov, Oborongiz, 1960. 246 p. Errata slip inserted. 10,000 copies printed.
- Ed.: I. L. Yanovskiy, Engineer; Managing Ed.: S. D. Krasil'nikov, Engineer; Ed. of Publishing House: S. I. Vinogradskikh; Tech. Ed.: V. P. Rozhin.
- PURPOSE: This is a textbook for students of aeronautical and machine-building institutions of higher education specializing in the theory and design of pumps for liquid fuel rocket engines. The book may also be used as a manual for engineers and technicians interested in pump systems for aircraft power plants.
- COVERAGE: The book is based on a synopsis of courses given by the author and on Soviet and other literature. It discusses the theory and design of pumps for liquid rocket engines, as well as characteristics and fuel requirements of such pumps. The author emphasizes that he has made ample use of the Soviet

Card 1/5

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CIA-RDP86-00513R00123

experience in pump building presented in a book by Professor A. A. Lomakin, Doctor of Technical Sciences. The author thanks Professor V. I. Polikovskiy, Doctor of Technical Sciences. for his comments and suggestions concerning the manuscript. There are 26 references: 23 Soviet, 2 English, and 1 German.

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Card 2/5

OVSYANNIKOV, B.V. Relationship between the impeller pressure of a redial flow bladed machine and the moment of Coriolis inertia forces. Izv. vys. ucheb. zav., av. tekh. f no.2.92-101 'F. (MifA in P (Turbomachines - Fluit iynamits)

y engles - y seren sources - englisher - seren - englisher - seren -OVSYANNIKOV h SOV/3848 Р LINE I BUCK EXPLOITATION **SOV**/11-M-97 Moscow. Aviatsionnyy institut imeni Sergo Ordzhonikidze Prisoyedineniye dopolnitel'noy massy v struynykh apparatakh; sbornik statey (Mass-Flow Augmentation in Jet Engines) Collection of Articles) Moscow, Oborongiz, 1958. 230 p. (Series: Its: Trudy, vyp. 97) Errate sup inserted. 2,210 copies printed. EC. (Title page): A.V. Kvasnikov, Professor; Ed. (Inside book). S.G. Boshenyatov (Deceased); Managing Ed.: A.S. Zaymovskaya, Engineer; Ed. of Publishing House: T.A. Valedinskaya; Tech. Ed.: L.A. Lebedeva. PURPOSE: This collection of articles is intended for scientific workers at engineering schools and research institutes and also for engineers working in experimental design offices. CCVERAGE: This collection contains abridged dissertations from the Department of Aviation Engine Theory, Faculty No. 2. of the Moskovskiy aviatsionnyy institut (Moscow Aviation Institute) Card 1/12

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Mass-Flow Augmentation in Jet Engines (Cont.) SOV/3848

the mixing chamber and permit the calculation of the length and the profile of the mixing-chamber wall, as well as the effect of the ejection coefficient and the turbulence factor on the mixing. It was found that the length of the initial sections of the mixing chamber depends primarily on the ejection coefficient **p** and the magnitude of the test constant & which characterize the structure of the turbulent flow of the driving gas. The length of the mixing chamber is essentially independent of the difference in the velocities and temperature of the flows. The profile of the wall of the entrance section is extremely close to a straight line, slightly inclined with respect to the ejector axis. This angle of inclination depends primarily on μ , α , the velocity ratio u2/u1, and the temperature ratio T2/T1. The compressibility of the basic flow has a negligible effect on the mixing process up to sonic velocity. The analytical results are supported by experiments with an air ejector. As an incidental result of the study it was shown that, for a mass flow of the basic jet equal to 0.5 kg/sec and a pressure ratio of 1.85, an increase in thrust equal to 25-35 percent of the thrust of the basic jet could be obtained. Card 3/12

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Mass-Flow Augmentation in Jet Engines (Cont.) SOV/3848

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geometry of the walls without taking into consideration dissipation forces (viscosity and thermoconductivity). Comparison of the analytical results with experimental data shows that the properties of the complex flow obtained by the aforementioned theoretical treatment coincide with the properties of the actual flow observed in the ejector; that is, the character of turbulent mixing in an ejector is the same as in a free turbulent submerged jet. The flow in an ejector may thus be regarded as a flow of a submerged jet which is deformed due to the presence of the engine walls whose effect may be theoretically identified with the effect of a system of point vortices where the turbulent-viscosity coefficient is assumed constant in determining the vortex intensity. The actual velocity fields inside and outside the engine differ from the ideal, particularly near the walls, because of the presence of the boundary layer. Corrections for the effect of the boundary layer are given which permit determination of the actual velocities inside the engine. The thrust determined from the analytical equations was found to be in good agreement with experimental C und 5/12

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Mass-110.	Augmentation in Jot Engines (Cont.) Sol	₩//384ರ
	.I., Candidate of Technical Sciences. Pulsatin	ng Jet
	th Mass-Flow Augmentation	- 9 9
	eoretical Investigation	
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Mass-Flow Augmentation in Jet Engines (Cent.)

SOV 3848

This paper presents a theoretical and experimental study of the effects of adding stream's ric ir a pulsating jets. It is all a une addition of atmospheric air to a pulsating gas jet may lead to a considerable increase in its impulse. The addition of supplementary air mass is not only due to ejection, that is, the parallel addition of air into the driving jet which is associated with mixing, but also to the interaction of separate masses of air added gradually. Two forms of this gradual addition are possible, namely gradual expulsion of additional mass and gradual inflow of air behind the driving jet. The largest increment in thrust (up to 120 percent of the thrust of a single nozzle) was obtained in a compound jet nozzle with an open shroud which includes the three basic forms of the process of mass addition (ejection, expulsion, and gradual inflow of air behind the driving jet). The gradual inflow is the basic process which produces a large increment in thrust and determines the character of its variation as a function of the basic parameters of the pulsating flow. The thrust increases obtained in the process with gradual inflow were found to be close to the corresponding calculated values based on the assumption of no losses due to friction or vortex formation. This Card 8/12



ACC NR, AP6035952 AUTHOR: Babakov, A. A.; Lebedev, D. V.; Ovsyannikov, B. M.; Ol'yanin, Ye. A.	
ORG: TINIICHERMET	
TITLE: Mechanical properties of Kh14G14N3T steel at -253C	
SOURCE: Metallovedeniye i termicheskaya obrabotka metallov, no. 10, 1966, 40-41	
TOPIC TAGS: chromium manganese nickel steel, boron containing steel, steel property, steel subzero temperature property/Khl4GN3T steel, Khl4Gl4N3TR steel	
ABSTRACT: The properties of Khl4Gl4N3T and Khl4Gl4N3TR steels in the as-cast and in hot-rolled conditions have been investigated at -253C. Annealed at 1050C and water quenched, the steels had a fine-grained austenitic-ferritic structure, while the Khl8N10T steel used for comparison had fully austenitic structure. At -253C, rolled and annealed Khl4Gl4N3T steel had a tensile strength of 160 kg/mm ² , a yield strength of 49 kg/mm ² , and elongation of 34Z, and a reduction of area of 28Z, compared to 185 kg/mm ² , 68 kg/mm ² , 32Z, and 42Z in the Khl8N10T steel and 152 kg/mm ² , 58 kg/mm ² , condition had a much lower strength, (70 kg/mm ²) and extremely low ductility, and an elongation and reduction of area of only 5Z. At -253C, as-cast Khl4Gl4N3T steel had a crystalline fracture which was not observed in Khl4Gl4N3TR or in Khl8N10T steel.	
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OVSYANNIKOV, B.V., kand.tekhn.nauk

Inflow of gas into a cylinder with variable volume. Mauch.dokl. vys.shholy; mash.i prib. no.2:68-71 '58. (MIRs 12:10)

1. Predstavleno Hoskovskim aviatsionnym institutom. (Fluid dynamics)

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123: OVSTANNIKOV, B.V.; CHERAINVSKIT, V.7. Regulte of testing high-speed centrifugal pumps. Irv. vys. uchob. sav; sv. tekh. ne.2:104-111 '58. 1. Moskovskiy aviatsionnyy institut, Eafedra AD-2. (Centrifugal pumps-Testing)



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OVSYANNIKOV, B.V., kand.tekhn.mauk

Concerning M.IA.Baier's article published in "Energomashinostroemie" No.4, 1957, under the title "Conformal method for specifying blade profiles for Francis-type turbomachinery"; letter to the editor. Energomashinostroenie 4 no.5:15 My '58. (MIRA 11:9) (Hydraulic turbines)



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5184. EWT(1)/EPA(s) - 2/EWA(h)AW ŧ 716000093 SOURCE CODE: UR/2619/64/000/035/0133/0137 • 60 AUTHOR: Overannikov, G. A. 44.55 B+1 ORG: Institute of Physics of the Earth in. O.Yu. Shmidt, AN SSSR (Institut fisiki semli AN SSSR) 4.55 ų, TITLE: Semiconductor circuit for powering a noncommutator motor for an epicentral seismic station 21,44 55 12,44.55 SOURCE: AN SSSR. Institut fiziki zomli. Trudy, no. 35, 1964, 133-137 TOPIC TAGS: semiconductor device, electronic circuit, electric motor, seismologic station, seismologic instrument i 12.44.35 ABSTRACT: Test runs using a semiconductor-powered noncommutator motor showed that when the temperature of the surrounding modium exceeds 20°C, overall power consumption increases. This increase can be reduced significantly by using semiconductor diodes (schematic for commutator is shown). Orig. art. has: 5 figures. [FSB: v. 1, no. 5] 1011 - 101 - 101 SUB CODE: EC, ES / SUBH DATE: none à Second South and 10,3 51 60

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	"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238
1.	OVSYANNIKOV, G. F.
2.	USSR (600)
4.	Cattle Breeds
7.	Work practice in improving Yaroslav cattle, Sov. zootekh, 7, No. 12, 1952.
9.	Monthly List of Russian Accessions, Library of Congress, February 1953, Unclassified.
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ACC NR: AT6023932

its final form the probability of magnetic tape failure is

 $Q_{tape}(t) = \left[1 - \prod_{i=1}^{n} [i - q_i(t)]\right] (i - \hat{\omega}^{n_i})$

where $q_i(t)$ is the probability of a tape section faiture in time t, in is the element of zones, and \hat{w} is the probability that the correcting code will correct mistares by repeated readouts. Algorithms are given for recording on tape and for readout. Orig. art. has: 13 formulas and 2 figures.

SUB CODE: 09/ SUBM DATE: none/ ORIG REF: 006/ OTH REF: 002

OVSYANDIKOV, G. V.

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UVSYANNIKOV, J. V. --"The Histogenesis and Reactive Changes in the Skin Tissue of the Ram Scrotum Following Castration under Experimental Conditions." Min Higher Education USSE. Leningrad Veterinary Inst. Leningrad, 1955. (Dissertation for the Degree of Candidate of Biological Sciences.)

SO: Knizhnaya Letopis', No 5, Moscow, Feb 1956

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"APPROVED FOR RELEASE: Wednesday, June 21, 200 CIA-RDP86-00513R001234 COVSTANNIKOV, Igar' Yladimirovich; SKROBYZV, Y.I., redattor; ZUBRILINA, Z.F., tekhnichemiy redaktor." [Growing fruits indeors] Pledovye rasteniia v tommate. Momkva, Gos. ind-vo mel'khos.lit-ry, 1957. 109 p. (Fruit culture) (House plante) Milla 10:4) Hillowentexcent





CC NR: ANIIO18143	Nonograph		UR/	32
vayannikov, Konstantin Alekseyevich	<u>1</u>	-		8+1
rachute jumping from military-tran transportnykh samoletov) Moscow, W 25,000 copies printed.	nsport planes (Prysh Voyenizdat, 1964. 25	d s parashyu 3 p. illus.,	tom iz voyen: biblic.,	no-
DPIC TAGS: parachute, air force tra round force training	eining, transport ei	rorait, train	ing equipment	t,
-	andhas aspeabuts as	nte and emite	mont and	
URPOSE AND COVERAGE: This book deregulations for rigging and handling arachute jumping from military tran quipment, jumping over water and fur rganizing and training for parachut scommended as a training manual for rganisations of the DOSAAF.	g parachutes. It als nsport planes while rom great heights. S te-descents over tow	o includes vu carrying weap everal recomm ng are made.	les for ons and other endations on This book is	
URPOSE AND COVERAGE: This book des egulations for rigging and handling arachute jumping from military tran quipment, jumping over water and for rganizing and training for parachut accommended as a training manual for	g parachutes. It als nsport planes while rom great heights. S te-descents over tow	o includes vu carrying weap everal recomm ng are made.	les for ons and other endations on This book is	
JRPOSE AND COVERAGE: This book deregulations for rigging and handling arachute jumping from military tran quipment, jumping over water and for rganizing and training for parachut accommended as a training manual for rganisations of the DOSAAF.	g parachutes. It als nsport planes while rom great heights. S te-descents over tow r parachutists in fl	o includes vu carrying weap everal recomm ng are made.	les for ons and other endations on This book is	

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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238 <u>____</u> สำหรับสระการ เราะสารสุขภาพทาง สาวการ OVSYANNIKOV, Kern L'wovich: BAYYER, Yevgeniy Yakovlevich; ZOLOTNITSKIY, I.J., prof., doktor tekhn.nauk, red.; KORNILOVA, M.I., red.; RAKOV, S.I., tekhn.red. [Precast reinforced concrete at the construction site] Sbornyi shelesobeton na poligonakh. Pod red. N.D.Zolotnitskogo. Moskva, Isd-vo VIeSPS Profisdat, 1960. 327 p. (MIRA 14:4) (Precast concrete) APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238















"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123! DRABKINA, L'Ye,; MCCHALOVA, T.I.; OVSYANNIKOV, L.F.; ORECHKIN, D.B. Investigating the composition of decalin obtained by the hydrogenation of maphthalene in the presence of sulfur-resistant catalysts. Koks 1 kins. no.31(&-50 '63. (MIRA 16:3) (Naphthalene) (Hydrogenation)

OVSYANNIKOV, L. M.; BRUYEVICH, T. S. Two cases of deep blastomycosis of the skin. Vest. vener.. (CLML 21:1) 1. Of the Department of Dermatology (Head -- Prof. L. N. Mashkilleyson), Central Skin-Venereological Institute (Director -- Candidate Medical Sciences N. N. Turanov).

OFSIANNIKOF, L.H. (Noscov) Deep intestinal lavages for various kinds of dermatosis. Vest.ven. (MIRA 9:2) i dere. no.:466 M-D '54. (ST DS--DISKASES) (ENEMATA)







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"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R001238 - JUYANDIK 1, ----a gas. Vestnik Lenintrad | Univ. (1952). (Russian) By perturbing a traditional (Univ. Ovsyanning In V Mathematical Reviews Vol. 15 No. 1 Jan. 1954 By perturbing uniform sonic flow the author first derives approximate equations for steady plane irrotational for originally obtained by <u>von Kármán</u> [J. Math. Phys. 26, 182-190 (1947); these Rev. 9, 217] and S. V. Falkovich [Akad. Nauk SSSR Prikl. Mat. Meh. 11, 459-464 (1947); Mechanics 4 (lero these Rev. 9, 476]. Then he obtains appropriate forms for the conditions at a strong shock and shows that the same system of partial differential equations is valid to the same order of accuracy in transonic rotational fluw behind a curved shock. J. H. Giasa (Havre de Grace, Md.). 4-20.54.CA

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CIA-RDP86-00513R001238

OUSYANN	11Kov, L. V.
WER/Nathanat	tics - Non-linear equations
	Pab. 22 - 7/59
	Overvenikov, L. B.
Sitte :	On the linearisation of an equation in partial derivatives of the second order
Periodial (Dok. AN 855R 102/2, 219-221, May 11, 1955
bitud 1	A method is presented for the transformation of a non-linear equation in partial derivatives of the second order into a linear one in the terms of the original equation. The method parmits any number of independent variables and also permits the characterization of the all set of the linear equations obtained. One USSR reference (1954).
Institution :	그렇게 알았던 감독에서 이는 것 같은 것이라. 한 것은 방법은 것으로 가려지 않는 것이라지 않는 것이다. 같은 "바이에 바이에 같은 것이 같은 것이 같은 것이라. 것은 것은 것은 것은 것은 것은 것은 것은 것이다. 것이다. 것이다. 것이다. 것이다. 것이 같은 것이다. 것이 같은 것이다. 것이 같은 것이
Presented by a	Academician M. A. Levrent'ev, January 14, 1955
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OVSYANNIKOV, LV.

SUBJECT	USSR / PHYSICS	CARD 1 / 2	PA - 1627
AUTHOR TITLE	OVSJANNIKOV, L. V. The General Solution	of the Equations of the Renormal	lization
PERIODICAL	Group. Dokl.Akad.Nauk, <u>109</u> , Issued: 12 / 1956	fasc. 6, 1112-1114 (1956)	

At first the equations of the renormalization group derived by N.N.BOGOLJUBOV and D.V.SIRKOV, Dokl.Akad.Nauk, 103, No 2 (1955) by means of the perturbation theory are explicitly given for the GREEN'S function of quantum-electrodynamics. The present work furnishes the general solution of this equation and its analogy for the meson theory. At first the aforementioned equation is transformed. The transformed equation is then linear with respect to the required function f(x,y,z). Next, ansatzes for the two first integrals are given. To each solution of the transformed equation there corresponds a certain function $\varphi(y,z)$, so that this solution is determined implicitly from the equation $\varphi(y/x)$, $f(x,y,z) = \varphi(y,z)$. Inversely the following is true: Independent of the form of the function $\varphi(y,z)$ the above mentioned equation. Thus, $\varphi(y/x, f(x,y,z)) = \varphi(y,z)$ is the general solution for the transformed equation. The solution obtained applies also in the case of y=0. However, in that case the function φ has a certain form the determination of which is shown here. The most general solution of the transformed equation for the case y=0 is explicitly written down; it can also be determined from the above general

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SUBJECT	USSR / PHYSICS	CARD 1 / 2	PA - 19	903
AUTHOR TITLE	OVSJANNIKOV,L.V. A New Way of Solving Dokl.Akad.Nauk, <u>111</u> , Issued: 1 / 1957	Equations of Hydrodynamics. fasc.1, 47-49 (1956)		

The present report concerns a new particular solution of the equation of adiabatic motion of a compressible liquid: $du/dt + (1/q) \nabla p = 0$, $d(\log q)/dt + div u = 0$, $d(\log p)/dt + f div u = 0$. Here $u = u(t, \vec{x})$ denotes the velocity vector; $q = q(t, \vec{x}) - density$; $p = p(t, \vec{x}) - pressure$, f - thecoefficient of the adiabatic curve. The symbol d/it denotes the differentiation according to time along a trajectory, i.e. along any integral curve of $the equation <math>d\vec{x}/dt = \vec{u}$. With \vec{f} being assumed to be a vector with the projections $\{ , \gamma , f \}$, the functions $\mathbf{F} = \mathbf{F}(\vec{f})$, $\mathbf{G} = \mathbf{G}(\vec{f})$ and the constant matrix of the third order $\mathbf{L} = ||\mathbf{1}_{\mathbf{i}\mathbf{k}}||$ are found, so that $\nabla_{\vec{f}} \mathbf{G} = \mathbf{FL}\vec{f}$ is true. Here $\nabla_{\vec{f}}$ denotes the operation ∇ with respect to the variables $\{ , \gamma , f \}$. Furthermore, the nonsingular quadratic matrix of the third order $\mathbf{M} = \mathbf{M}(t)$ is defined as a solution of the equation $\mathbf{M}^{\prime}(d^2\mathbf{M}/dt^2) + |\mathbf{M}|^{1-1}f\mathbf{L} = 0$; here \mathbf{M}^{\prime} denotes the matrix which is transposed with respect to m, and $|\mathbf{M}|$ the absolute value of the determinant of M. On these conditions the formulae: $\vec{u} = (d\mathbf{M}/dt)\mathbf{M}^{-1}\vec{x}$, $q = (1/|\mathbf{M}|)\mathbf{F}(\mathbf{M}^{-1}\vec{x})$, $p = (1/|\mathbf{M}|^{\prime}) \mathbf{G}(\mathbf{M}^{-1}\vec{x})$ supply the exact

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SUBJECTUSSR/MATHEMATICS/Differential equationsCARD 1/3PG = 657AUTHOROVSJANNIKOV L.V.TITLEA new solution of the hydrodynamic equations.PERIODICALDoklady Akad.Nauk 111, 47-49 (1956)
reviewed 3/1957

Let the adiabatic motion of a compressible fluid be described by the system

(1) $\frac{d}{dt}\vec{m} + \frac{1}{g}\vec{\nabla}p = 0$ $\frac{d}{dt}\log g + di\vec{n} = 0$

 $\frac{d}{dt} \log p + y div \tilde{m} = 0.$

 $\tilde{m} - \tilde{m}(t, \mathcal{L})$ is the vedtor of velocity; $g = g(t, \mathcal{L}) - density; p = p(t, \mathcal{L}) - pressure; <math>g = adiabatic$ exponent. The operations ∇ and div refer to the space $\mathcal{L}(x, y, s)$. $\frac{d}{dt}$ means differentiation with respect to the time along an arbitrary integral curve of $\frac{d\mathcal{L}}{dt} = \tilde{m}$.

"APPROVED FOR RELEASE: Wednesday, June 21, 2000 CIA-RDP86-00513R00123: Doklady Akad. Nauk <u>111</u>, 47-49 (1956) CARD 3/3 PG - 657 $G = \mathcal{E}_1 \xi^2 + \mathcal{E}_2 \chi^2 + \mathcal{E}_3 \zeta^2$, $\mathcal{E}_1 = \pm 1$, $L = \begin{pmatrix} \mathcal{E}_1 & 0 & 0 \\ 0 & 0 & \mathcal{E}_3 \end{pmatrix}$ 2) $r = 2; G(\xi) = g(G); P(\xi) = \frac{\xi g'(G)}{\mathcal{E}_1 \xi^2 + \delta \xi \gamma + \mathcal{E}_2 \gamma^2}$, $G = \xi \varphi(\frac{\pi}{\xi})$, $\varphi(s) = \exp \left\{ \int \frac{\mathcal{E}_2 s}{\mathcal{E}_1 + \delta \xi + \mathcal{E}_2 \xi^2} \right\}$, $\mathcal{E}_1 = \pm 1$; $L = \begin{pmatrix} \mathcal{E}_1 & d & 0 \\ 0 & \mathcal{E}_2 & 0 \\ 0 & 0 & 0 \end{pmatrix}$, 3) $r = 1; G(\xi) = g(G)$, $P(\xi) = \frac{\xi_1}{\xi} g'(G); G = \xi;$ $L = \begin{pmatrix} \mathcal{E}_1 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$, $\mathcal{E}_1 = \pm 1;$ 4) $r = 0; G = \text{const}; P(\xi) = \text{arbitrary}, L = \begin{pmatrix} 0 & 0 & 0 \\ 0 & 0 & 0 \\ 0 & 0 & 0 \end{pmatrix}$. Here g(G) is an arbitrary function and g'(G) its derivative.
AUTHOR:	JSYJULIACU, MIL. OVSYANNIKOV, L.V.	20-3-6/59
TITLE:	Groups and Group Invariant Solutions ((Gruppy i invariantno-gruppovye resher uravneniy) SSSR	
PERIODICAL:	Doklady Akademii Nauk/,1958, Vol.118,	Nr.3, pp.439-442 (USSR)
ABSTRACT:	Within the compass of the classical Li considers group properties of differen given system S is written in a quasil can be reached by the introduction of functions. The sought functions uk	ntial equations. The inear form which always additional unknown
	arguments x^{i} (i=1,,n-m) are explained of an E_{n} . Under certain additional as	ined as point ocordinates sumptions the author
	gives proposals for the determination following definition seems to be very $u = \psi(x)$ of S is called a group inva- if the manifold defined in the E_n by	useful: the solution riant solution (H-solution)
Card 1/2	is the invariant manifold of a subgroup of S. The importance of the H-s determined from a system which in gen	olution is that it is

Groups and Group Invariant Solutions of Differential Equations 20-3-6/59
The case of an intransitive H the invariant manifolds of which are identical with their systems of intransitivity is considered in detail.
ASSOCIATION: Moscow Physical-Technical Institute (Moskowskiy fiziko-tekhnicheskiy institut)
PRESENTED: By M.A.Lavrentiyev, Academician, 24 Decembe: 1957
SUBMITTED: 24 December 1957
AVAILABLE: Library of Congress
Card 2/2

APPROVED FOR RELEASE: Wednesday, June 21, 2000

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16(1) AUTHOR:	Ovsyannikov, L.V.	3 - W/20-125 3-7 4	
FITLE:	Group Properties of the Non-Linear Equation of Heat Conduction (Gruppovyye svoystva uravneniya nelineynoy teploprovednosia)		
PERIODICAL:	Doklady Akademii nauk COSR,1959,Vol 125,Nr 3,pp (9-495 (2003)		
ABSTRACT:	The equation of heat conduction		
	is replaced by the quasi-linear	$(f(u), \frac{\partial u}{\partial x}) = \frac{\partial u}{\partial t}$, $f(u, \bullet)$ is system	
	(1) $\mathbf{w} = \mathbf{f}(\mathbf{u})\mathbf{u}$, $\mathbf{w} = \mathbf{u}_{\mathbf{t}}$		
	(see $\sqrt{-Ref 1}$, and it is requining invariant under the first continuity operator $X = F \frac{\partial}{\partial t} + \sqrt{-\frac{1}{2}} + 5 \frac{1}{2}$	ation of the infinitesimal	
	If invariance is fulfilled, then The following result of classific arbitrary $f(u)$ the equation of he	(1) admits the operator % ation is obtained : 1. For	
Card $1/3$	arbitiary (u) the equation of he	at conduction and is only	

ing and a second statement of the second second

Group Properties of the Non-Linear Equation of D(V/27-125-3-7%) Heat Conduction invariant solutions of rank 1 are given. There are 3 references, 2 of which are Soviet, and 1 Norvegian. ASSOCIATION: Moskovskiy fiziko-tekhnicheskiy institut (Moscow Physica-Technical Institute) IRGDENTED: December 27,1958, by F.A. Lavrent'yev, Academician UBLITTED: December 27, 1958 Card3/3





OVSYANNIKOV, L.V. (Novosibirsk)

Group characteristics of S.A. Chaplygin's equal on. PMTF no.3:126-14; S-0 '60. (NIA 14:7) (Differential equations, Linear) (Fluid dynamics)





Group properties of the equation

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 $\frac{d \ 6}{dw} = \frac{R(w)}{w} = After a transition to the distal teristic verse we have <math display="block">\lambda = L(6) + \Theta , h = L(0) = \Theta , \frac{dL}{d6} = \sqrt{-1} + \frac{1}{2} +$

Since, however, the boundary value problems in the holo-matrine planin the general case remain non-linear, for the overcoming to the difficulties some authors use an approximation of the list./#in by simpler approximation equations. Well-known approximations are criticized by the author shourding to the following toint of vice The greater the transformation group, which admits the approximations equation the "better" is the equation. It eauthor is of the calculation process of the group for an equation.

$$z_{xy} + Az_{x} + Bz_{y} + Cz_{y}$$

where A. B. Clare functions of x yo Then this trocess in each of the fard 2.5



List states the solution

OVSYANNIKOV, L. V.

"Application of the theory of Lie groups to some partial differential equations"

te di Mastali Colanda (1841-187

report submitted at the Intl Conf of Mathematics, Stockholm, Sweden, 15-22 Aug 62





OVSYANNIKOV, L.V., doktor fiz.-matem. nauk; ZELENYAF, T.I., kand. fiz.-matem. na.k Soviet-American s mposium of mathematicians in Novosibirsk. Vest. AN SSSR 33 no.11:93-96 N '63. (MIRA 17:1)

OVSYANNIKOV, L.V. (Novosibirsk)

"Invariant grour solutions of the equations of hydrodyna ics"

Report presented at the and All-Union Congress on Theoretical and Arglied Mechanics, Moscow 29 Jan - 5 Feb 64.











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OVSYANNIKOV, M.A. Method for the rapid determination of work function. Trudy Sit. tekh.inst. mo.24:53-56 '59. (Surface energy)





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OVSYANNIKOV, M.I.

Inmediate and late results of tonsillectomy in rheumatic fever. Vrach (MIRA 13:11) delo no.10:131 0 *60. 1. Klinika ukha, gorla, nosa (zav. - dotsent Ya.D.Missionzhnik) Zaporozhskogo instituta usovershenstvovaniya vrachey. (TONSILS--SURGERY) (RHEUMATIC FEVER)

OVSTANNIKOV, M.I. Bronchoessonhagoscope with fixed forceps. Vest.otorin. 20 no.2:111-112 Mr-Ap '54. (MIRA 12:11) 1. Is kliniki bolezney ukha, gorla i nosa (zev. - dots, Ya.D. Missionzhnik) Zaporozhskogo instituta usovershenstvovaniya vrachey. (BRONCHOSCOPY, appar. & instruments bronchcosophagoscope with fixed muzzles (Hus)) (BSOPHAGOSCOPY, appar & instruments same)

OVSYANNIKOV, M.I.

Pathohistological characteristics of inflammatory and regenerative processes following radical surgery with biological tamponade on the ear of animals. Zhur. ush., nos. i gorl. bol. 21 no.2:24-27 Mr-Ap '61. (MIRA 14:6)

1. Iz otorinolaringologicheskoy kliniki (zav. - doktor med.nauk V.O.Kalina) i kafedry patologicheskoy anatomii (zav. prof. I.I. Medvedev) Zaporozhskogo instituta usovershenstvovaniya vrachey. (EAR.-SUNGERY) (MUSCLES.-THANSPIANTATION)



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OVSYANNIKOV, M.I. Simplified auditory probe. Zhur. ush., nos. i gorl. bol. 20 (Mina 1512) 1. Otorinolaringologicheskoy kliniki (zav. - dotsent La.D. Missionzhnik) Zaporshakogo instituta usovershenstvovaniya vrachey. (MEDICAL INSTRUMENTS AND APPARATUS) (HEARING)

