20529 s/535/61/000/138/004/008 Theoretical formula for the weight E031/E177 skinning and structure of the spars. The effect of sweepback is also shown. Statistical corrections due to such factors as the effect of the fuselage, the weakening effect of sundry orifices, the weight of stiffeners and the effect of structural design requirements are also briefly discussed. The weight of the remaining elements of the wing may also be determined analogously, although the statistical corrections are not constant, the total effect varies but slightly, M.N. Shul'zhenko is mentioned in the paper for his contributions in this field. There are 11 figures, 1 table and 5 Soviet-bloc references. Card 2/2





(1997年4月)

CCESSION NR:	AP3001465 S/0085/6	3/000/004/0025/0026	÷., ,
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UTHOR: Fadey	ev, N., Candidate of technical sciences	40	:
ITLE: Theory	of soaring flight		
OURCE: Kryl'	ya rodiny, no. 4, 1963, 25-26		
OPIC TAGS: 8	oaring flight, motorless flight, sailplane,	thermal uncurrents.	
BSTRACT: The	on, cruise control, sailplane article (concluding installment of a serie	as of 2, begun in no. 3,	
ind translati BSTRACT: The 93, of the samp pourrents for TAS). The th iently intens f loss of ele s developed, he advantages row of therm rafts and des	on, cruise control, sailplane	es of 2, begun in no. 3, ring flights in thermal sible mean true airspeed ing upcurrents are suffi- on passing through an area a new updraft. The theory the author investigates tht-course flight through alling upward in the up- The optimal indicated air-	

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ACCESSION NR: AP3001465

as obtained graphically from the sailplane polar. The advantage gained by using some flap deflection to increase the time of permanence, reduce the sinking speed, and, hence, increase the overall gain in elevation within the updrafts is mentioned. The effect of wind translation in a field of thermal upcurrents is explained. The discontinuous bubble-like shape of detached thermals originally emanating from heated areas of the ground and the self-perpetuating nature of cumulus-cloud-capped thermals are mentioned, and the vectorial addition of the wind velocity to the TAS vector of the sailplane is pointed out. Flight in a prescribed direction is explained in terms of the vectorial addition of the mean-TAS vector with the prevailing mean wind vector, including those portions of a flight in which the sailplane spirals upward within a thermal bubble or chimney and is simultaneously displaced horizontally by the prevailing wind. Flight to a prescribed destination with return to the point of departure and triangle-trek flight: The planning and conduct of flights over two or three prescribed route segments, with due consideration to the mean TAS vector and the mean (and possible time- and route-segment-variable) wind vector, is described. Assuming that the thermal activity may fail to materialize at some point of a flight, the footprint of attainable landing areas, which is circular (and encompassed within a semi-apex angle corresponding to the slope (L/D) max in the absence of wind and has the shape of distorted oval in the presence of wind, is explained and graphically illustrated. There are 7 figures is the present concluding install ment. Card 2/82

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041233(

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SOV/120-58-2-34/37

AUTHORS: Soltitskiy, B. P., Fadeyev, N. P. and Panashchenko, V. A. TITLE: A Device for Cutting Thick Plates (Prisposobleniye dlya rezki tolstosloynykh plastinok)

PERIODICAL: Pribory i Tekhnika Eksperimenta, 1958, Nr 2, p 112 (USSR)

ABSTRACT: In cutting thick plates there is the danger of the plates becoming contaminated by radioactive materials. In the process of cutting, the plates should not come into contact with any surface, or the fingers of the experimenter, which are not absolutely free from contamination by radioactive substances. The device shown in Fig.1 may be used to cut such plates without the danger of contamination by radioactive substances. This is achieved by using two plexiglass plates with longitudinal grooves 2 mm deep which are built into a wooden body 12 x 14 x 15 cm in size. The plate to be cut is attached to this body and is then moved into the cutting and breaking system. The breaking device

Card 1/2

CIA-RDP86-00513R00041233

SOV/120-50-2-34/37 A Device for Cutting Thick Plates. contains a holder which stops the plate from falling out. Complete sectional drawing of the device is shown in Fig.1. There is l figure only. ASSOCIATION: Institut radiatsionnoy gigiyeny (Institute of Radiation Hygiene) SUBMITTED: July 16, 1957. 1. Radiation--Safety measures 2. Cutting tools--Operation Card 2/2





CIA-RDP86-00513R00041233



FADELEV, N.S.

List and brief biological characteristics of flatfishes inhabiting continental shoals along the eastern coast of southern Sakhalin. Vop. ikht. no.13:26-34 '59. (MIRA 13:3)

1.Sakhalinskoye otdeleniye Tikhookeanskogo nauchno-issledovatel'skogo instituta morskogo rybnogo khosvaystva i okeanografii (TINRO) (Sakhalin--Flatfishes)

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FADRYEV, N.S.

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THEREENERGY

Abundance of flatfishes in the waters of Sakhalin. Trudy sov. Ikht. kom. no.10:173-175 '60. (MIRA 13:10)

1. Sakhalinskoye otdoleniye Tikhookeanskogo nauchno-issledovatel'skogo institut morskogo rybnogo khozyaystva i okeanografii-(SakhTINRO). (Sakhalin--Flatfishes)

APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041233(

FADEYEV, N.S.

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Features of the biology of flounder. Priroda 50 no. 3:113 Mr ¹61. (MIRA 14:2)

1. Sakhalinskoye otdeleniye Tikhookeanskogo nauchno-issledovatelskogo instituta morskogo rybnogo khozyaystva i okeanorgrafii, pochtovoye otdeleniye Antonovo, Chekhovskogo rayona. (Flounders)

CIA-RDP86-00513R00041233

FADEYEV, N. S.

Dissertation defended for the degree Candidate of Biological Sciences were defended at the Scientific Council of the Far-East Affiliate (196.2)

"Industrial-Biological and Morphological Characteristics of the Yellow-Finned Flounder of Sakhalin."

Vestnik Akad. Nauk, No. 4, pp 119-145

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FADEYEV, O. P. Cand Tech Sci -- (diss) "Study of the effect of open rotors upon the performance and axial stress of sinking cetrifugal pumps." Mos, 1957. 13 pp (Min of Higher Education USSR. Mos Mining Inst im I. V. Stalin. Chair of Mining Mechanics), 120 copies (KL, 4-58-83)

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SHAPPER ARAMA D

CHINESE TRANSPORT

- 1. FADEYEV, P. I.
- 2. USSR (600)
- 4. Geology and Geography
- Sends of USSR. F. I. Fadeyev. Part 1. (Moscow, Moscow University Press, 1951). Reviewed by M. P. Petrov. Sov. Kniga, No. 6, 1952.

9. - Report U-3081, 16 Jan. 1953, Unclassified.

CIA-RDP86-00513R00041233





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15-16

FADEYEV, P.I.

Strucural characteristics of surface sand strata in the central regions of western Kara Kum. Uch.zap.Mosk.un. no.177:21-28 '56. (MLRA 10:5)

(Kara Kum--Sand)

FADETEV, P.I.; AVEROCHEINA, M.V.

101012

Deformations of drainage canals in the Meshchera Lowland, their nature and causes. Vest. Mosk. un. Ser. hiol., pochv.,geol., geog. 13 no. 1:151-161 '58. (MIRA 11:7)

1. Moskovskiy gosudarstvennyy universitet, Kafedra inzhensrnay geologii i gruntovedeniya. (Meshchera--Canals)

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口中中产生的形式和自由的影响的

FADEYEY, P.I.

Permeability of sands to water in the Meshchera Lowland and some methodological problems in determining the seepage coefficient under field conditions with reference to the design of drainage structures. Vest. Mosk. un. Ser. biol., pochv., geol., geog. 14 no.3:161-170 '59. (MIRA 13:6)

 Kafedra gruntovedeniya i inzhenernoy geologii Moskovskogo universiteta.

(Meshchera--Soil percolation)



SHUGA BALLAR

FADEYEV, P.I.

Granulometric analysis of sands by the sieve method. Vest. Mosk. un. Ser. 4: Geol. 16 no.1:74-78 Ja-F ¹61. (MIRA 14¹3)

1. Kafedra gruntovedeniya i inzhenernov geologii Moskovskogo universiteta.

(Sand)

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CHEROPHUPTR FAILER

KOTLOV, F.V., kand. geol.-min. nauk, otv. red.; HEZ.dUK, V.M., doktor geol.-miner. nauk, red.; HEIYY, L.D., doktor geol.-miner. nauk, red.; BYKOVA, V.S., kand. geol.-miner. nauk, red.; GOR'KOVA, I.M., doktor geol.-miner. nauk, red.; GUREYEV, A.M., red.; YEMEL'YANOVA, Ye.F., kand. geol.-miner. nauk, red.; KOLOMENSKIY, N.V., doktor geol.-miner. nauk, prof., red.; MAKEYEV, Z.A., doktor geol.-miner. nauk, red.; POL'SHIN, D.Ye., kand. tekhn. nauk, red.; POPOV, I.V., doktor geol.-miner.-nauk, prof., red.; PRIKLONSKIY, V.A., prof., red. [deceased]; RUBIN SHITEYN, A.L., doktor geol.-miner. nauk, prof., red.; SERGEYEV, Ye.M., doktor geol.-miner. nauk, prof., red.; FADEYEV, P.L., kand. geol.miner. nauk, red.; ZOLOTOV, P.F., red. izd-va; ASTAF'YEVA, G.A., tekhn. red.

> [Materials on the engineering and geological properties of rocks and mothods for their study] **Inzhenerno-geologicheskie svoistva** gornykh porod i metody ikh izucheniia; materialy. Moskva, Izdvo Akad. nauk SSSR, 1962. 362 p. (MIRA 15:5)

1. Soveshchaniye po inzhenerno-geologicheskim svoistvam gornykh porod i metodam ikh izucheniya, Moscow, 1957. 2. Chlen-korrespondent Akademii nauk SSSR (for Priklonskiy). 3. Moskovskiy gosudarstvennyy universitet (for Sergeyev). 4. Laboratoriya gidrogeologicheskikh problem Akademii nauk SSSR (for Kotlov). 5. Kafedra "Osnovaniya i fundementy" Moskovskogo instituta inzhenerov vodnogo khozyaystva (Rubinshteyn). (Rocks) (Engineering geology)

CIA-RDP86-00513R00041233



	Z/011/62/019/010/003/009 E112/E435	
AUTHORS:	Fadeyev, P.M., Zhigun, I.G., Shumakova, L.B.	
TITLE:	Waterproof paints, based on synthetic resins	
PERIODICA	L: Chemie a chemicka technologie. Prehled technicke a hospodarske literatury, v.19, no.10, 1962, 465, abstract Ch 62 6282. (Lakokras. Materialy, no.3, 1962, 50-51)	1
the epoxi applicati causes de temperatu thus impa epoxies o and titan compositi	aints, based on straight resins, such as polystyrene or es, although waterproof are too brittle for practical on. The addition of bitumen reduces brittleness but terioration of the resistance to both, low and elevated res. The general usefulness of the resin composition is ired. Best results were obtained with coats based on r polystyrene if plasticizers such as dibutylphthalate ium white, cement and other fillers were added. These ons proved useful as insulating layers against humidity in the building trade. 3 tables.	~
[Abstract Card 1/1	er's note: Complete translation.] Unal Affil, Acad Building & Architisture	

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ACCESSION NR: AR3000211	11/067	l		
SOURCE: RZh. Khimiya, Abs. 67221				
AUTHOR: Fadeyev, P. M.; Zhigun, I. G.; Shumakova, L. B.	•	:		•
TITLE: Synthetic resin base waterproof coatings				•
CITED SOURCE: Lakokrasochn, materialy i ikh primeneniye, no. 3, 1962, 50-51				
TOPIC TAGS: synthetic resin, coatings				. •
TRANSLATION: Waterproof coating compositions are described, which dry at 20° and have for their basis PS resins (PS) and epoxy resins EDF-1 and EDF-3 (ER). Toluene solutions of resins were used. Cement, marble flour and marshalit were used as fillers. In the making of light coat- ings the best results were obtained on using titanium dioxide as filler or pigment. It was found that pure PS and ER base coatings, notwith- standing some good characteristics, are too brittle. Addition of bitu-				
Cord 1/2	•		: : : :	
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------ACCESSION NR: AR3000211 men increases elasticity of the coatings, but lowers their frost resistance and thermal stability. Compositions containing bitumen can be used for interior waterproofing. It is shown that optimal characteristics are exhibited by compositions containing PS and ER with added plasticizers. Such coatings can be recommended for the protection of enclosures utilized under particularly complex conditions. V. Latov DATE ACQ: 16May63 ENCL: 00 SUB CODE: 00 Card 2/2

A .	
15.8121	38069 S/191/62/000/006/013/016 B117/B138
AUTHORS:	Fadeyev, P. M., Shibanov, G. N., Gusarova, Ya. I.
PIPLN:	Hardening of epoxy resins with quinoline derivatives
PERIODICAL:	Plasticheskiye massy, no. 6, 1962, 59 - 60
mixture of cy methyl and di sive and easi hardeners mad 250% of the w hesive compos is its long l of resin hard	empt was made to harden epoxy resin $(\exists A_{r}^{2}-3 (\texttt{EDF}-3))$ with a clic compounds of the quinoline group (quinoline, isoquinoline, methyl quinoline). These heavy pyridine bases are inexpen- ly available as by-products of coke production. Their use as e it possible to increase the filler content (cement) to eight of the resin and thereby to lower the cost of the ad- ition by two thirds. A special advantage of this composition ife (up to 48 hrs). Its strength, however, is lower than that ened with polyethylene polyamine (40 kp/cm ² as against ut may be increased by heating at 60 - 80°C for 6 hrs. Adding
a certain amo	unt of polyethylene polyamine made it possible to increase the he composition at room temperature $(18 - 20^{\circ}C)$ from 40 to
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S/191/62/000/006/013/016 B117/B138

Hardening of epoxy resins with ...

70 kp/cm², after heating (60 - 8000) from 73 to 130 kp/cm². To clarify the function of quinolines during hardening, a resin hardened at 80 and 12000 was extracted with boiling benzene in 6 hrs. Only 9 - 10% of the pyridine bases did not react. Attempts were made to glue concrete samples with the adhesives described. Mechanical tests of the samples gave satisfactory results. Investigation of the use of pyridine bases as hardeners for epoxy resins is continuing. There are 3 tables. The most important English-language reference is: E. S. Narracott, Brit. Plastics, no. 26, 120 (1953).

Care 2/2

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1 P. M. M. Coll. 14-13 (14-16)



Device for the automatic check of voltage circuits. Energetik 14 no.1:26 Ja '66. (MIRA 19:1)

CIA-RDP86-00513R00041233



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	S/133/61/000/004/014/015 ▲054/▲127
AUTHOR:	Fadeyev, P. V.
TITLE:	Continuous pouring of rimming steel to obtain wire rods at an installation of the UIChM Institute
PERIODICAL:	Stal', no. 4, 1961, 383
ming steel h. high-grade w splints and from that of rods. In an of rimming s Wire rods ma in surface q conventional ingots to 53	At the Redvinskiy metizno-metallurgicheskiy zavod (Redva i Metallurgical Plant) a method for continuous pouring of rim- as been developed. Ingots of this rimmed steel were rolled to ire rod raw material intended for the manufacture of wires, shurled screws. The quality of these products was not different the same products made from conventional gross output wire electric arc furnace of the UIChM Institute, 10 trial melts teel were made and poured through a 230 x 140 mm crystallizer. de from thes rimmed steel ingots practically did not differ iality, internal structure and mechanical properties from gross output billets rolled into wire rods. When rolling test -mm ² square wire rods, waste was approximately $\frac{1}{3}$ of that ocur- ing of conventional ingots.
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ORLOV, S.I.; KHUDYAKOV, A.N.; KRIVONOSOV, V.S.; FADEYEV, P.V.; FETROV, K.M.; D'YAKONOV, V.A. At the Ural Research Institute of Ferrous Metallurgy. Stal! 21 no. 4:366,371,383 Ap '61. (MIRA 14:4) (Rolling mills-Accounting) (Steel-Metallurgy)

CIA-RDP86-00513R00041233



Mile (Kappe)

USSR/Chemi	lcal	Technology - Chemical Products and Their I-28 Application, Food Industry
Abs Jour	:	Referat Zhur - Khimiya, No 4, 1957, 13983
Author Inst	::	Tikhomirov A., <u>Fadeyev R.</u> , Batalov A. All-Union Scientific Research Institute of Poultry Industry
Title	:	New Continuous Operation System of Processing Freshly Killed Ducks and Geese.
Orig Pub		Myasnaya industriya SSSR, 1956, No 3, 16-19
Abstract	•	The All-Union Scientific Rescarch Institute of Poultry Industry has designed and built a specimen of a conti- nuous operation chamber for heat processing of killed geese and ducks at 72°. Provision of the chamber has made it possible to mechanize the processes of picking of water fowl and to evolve a conveyer line processing system having an output capacity of 2400 geese or ducks per shift. Operations of heat treatment and picking of
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CCESSION NR: APLO37109	s/0258/64/004/002/0325/0329
UTHOR: Fadeyev, S. I. (Mosco.	
TITLE: Problem of a piston in	a modium which is being homogeneously deformed
SOURCE: Inzhenerny*y zhurnal,	v. 4, no. 2, 1964, 325-329
COPIC TAGS: piston, deformed r deformation, shock wave, spher:	nedium, gas dynamics, adiabatic flow, homogeneous
	be time, linear coordinate, velocity, pressure and [, ^r], ^U], ^p], ^O] are the analogous parameters in motion
- J is B are constant coef.	ficients of proportionality. In upper limit (-)
	before the shock wave, and (2) - after the shock ical symmetry, which is being homogeneously deformed,
	$p^{(1)}(T) = \text{const}, p^{(1)}(T) = \text{const}.$ (1)

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 $r^* = F(t), \quad F(T) = 0,$

ACCESSION NR: AP4037109 When t = T, a spherical piston begins to move from the center of symmetry according

to

(2)

where F(t) and dF(t)/dt are continuous, single-valued functions on the entire interval of time of motion. The problem is to determine the gas motion which arises. The author restricts consideration to a kinematic pattern of motion E. He finds the trajectory of particles in a neighborhood of the piston. He seeks an approximate solution and studies motion of a piston with positive finite acceleration for t \geq T, (d²F(t)/dt²) \geq 0. For determining motion E₁ he uses the method of decomposition in the parameter $\xi = (\gamma - 1) (\gamma + 1) = 1/4$. Solving two inequalities simultaneously, he finds the time $t^{(2)}$ and the place $r^{(2)}$ when the shock wave overtakes a particle moving with velocity $\lambda r^{(1)}$. A qualitative flow pattern for $\lambda > 0$ and $\lambda < 0$ is given in figures. The use of a self-simulating solution leads to a special law of motion of a piston in E, described in the general case from the initial parameters of the medium. If $\gamma = 5/3$ and motion E₁ arises Card/3



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S/137/61/000/011/055/123 A060/A101

AUTHORS: Fadeyev, S.I., Lyadov, V.V.

TITLE: Thermite welding of rails

FERIODICAL: Referativnyy zhurnal. Metallurgiya, no. 11, 1961, 49, abstract 11Ye315 ("Put' i putevoye kh-vo", 19615 no. 4, 38 - 40)

TEXT: The nature of aluminum thermite welding is analyzed and its advantages over arc-vat welding are indicated. Directions are given for the composition and preparation of the thermite mixture, the requirements upon its components are enumerated, and the industrial sequence of operations is described. The sequence of operations includes the molding of the butts, the heating up to the rail-ends, the welding, and the after-treatment of the butt.

V. Gorb

[Atstracter's note: Complete translation]

Card 1/1

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26.2112	39940 S/258/62/002/001/009/013 1028/1228		
AUTHOR:	Fadeyev, S. I. (Moscow)		
TITLE	On the creation of a homogeneous gas stream in a discharge tube		
	Inzhenernyy zhurnal, v. 2, no. 1, 1962, 160–163		
TEXT: The mot t = 0, an energy is indefinitely in the The equations of density passes dis- velocity so that the the second sec	tion of the high-temperature gas stream created in a discharge tube is examined. At the time release starts according to the equation $W = At$ at the closed end of a tube which extends other direction and is filled with gas at rest having definite pressure, density and temperature. motion of the gas behind the shock wave are solved. A surface of discontinuity, at which the continuously to zero while the pressure remains constant, moves behind the gas at constant he compressed gas is sandwiched between the shock wave and the surface of discontinuity, determined for three particular cases: a) the internal energy of the gas depends only on the gas is completely ionized; c) the gas is in a constant magnetic field.		
ASSOCIATION	: Institut mekhaniki AN SSSR (Institute of Mechanics AS USSR)		
SUBMITTED:	November 13, 1961	Х	
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S/258/62/002/002/006/018 1028/1228

Fadeyev, S. I. (Moscow) AUTHOR: Automodel solution of the problem of a plane piston at a null temperature gradient TITLE: Inzhenernyy zhurnal, v. 2, no. 2, 1962, 254-262 PERIODICAL: TEXT: The problem of the expulsion of a high-temperature ideal gas by a plane piston moving according to the exponential law $x(t) = Bt^n$ is considered without taking into account the counterpressure. The equations of non-stationary one-dimensional motion of an ideal gas at null temperature gradient are written in nondimensional variables, together with the boundary conditions. These equations are readily solved for n = 1, and the solution coincides with the solution for the case of no heat exchange between the particles. In the general case $n \neq 1$ only numerical integration is possible. The equations are investigated qualitatively and solved in particular cases. An interesting result is that the law of consevation of energy is satisfied only if there is a continuous supply of energy to the front of the shock wave (for n < 1), or if there is a continuous withdrawal of energy from the front of the shock wave (for n > 1). An explanation is given of this result. As an application , the hydrodynamical processes in a discharge tube are treated by the method of the "magnetic piston". The author thanks A. A. Nikol'skiy for his advice. ASSOCIATION: Institut mekhaniki AN SSSR (Institute of Mechanies AS USSR) Card 1/1



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l. Nachal' Ministerst	nik otdela svarki Glavnogo uprav va putey soobshcheniya. (RailroadsEquipment a	
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EFA(b)/EWT(1)/BDS AFFTC/ASD/ESD-3/IJP(C)/AFWL/SSD Pd-4/ L 18034-63 s/0258/63/003/002/0367/0373 ---/Po∞L ACCESSION NR: AP3000723 AUTHOR: Fadeyev, S. I. (Moscow) TITLE: Similar flow of ideal conducting gas SOURCE: Inzhenerny*y zhurnal, v. 3, no. 2, 1963, 367-373 TOPIC TACS: similarity solution, energy conservation, detonation, perfect gas ABSTRACT: The similarity solution has been analyzed in a perfect, conducting gas with large but finite thermal conductivity. The flow is assumed planar, cylindrical or spherical with a time-displacement relationship given by equation (1): $r_* = Bl^n$ (1). . . . where Y = linear coordinate B = constantCard 1/2

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L 18034-63 ACCESSION NR: A	P3000723	2	
	t = time	V	
	n = 2/3, 1/2, 2/5 for plane, cylindrical and spherical expansions, respectively.		
A cimilarity tra	insformation is carried out on the flow equations,	then carried out	
gas law and gene for the case of are obtained for thermal conduct it is shown tha <u>Nikol'skiy</u> for	strong detonation in planar symmetry (n=2/3). Nur strong detonation in planar symmetry (n=2/3). Nur r temperature, pressure, density, and velocity fie ivity values. In the limit of the conductivity ap ivity values. In the limit of the conductivity ap to the temperature gradients disappear. "The author t the temperature gradients disappear." Orig. art.	lds for various proaching infinity, or thanks <u>A. A.</u> has: 32 equations	
gas law and gene for the case of are obtained for thermal conduct it is shown tha Nikol'skiy for and 4 figures.	strong detonation in planar symmetry (n=2/3). Nur strong detonation in planar symmetry (n=2/3). Nur r temperature, pressure, density, and velocity fie ivity values. In the limit of the conductivity ap t the temperature gradients disappear. "The autho his advice and comments on the work." Orig. art. nstitut mekhaniki AN SSSR (Institute of Mechanics,	lds for various proaching infinity, or thanks <u>A. A.</u> has: 32 equations	
gas law and gene for the case of are obtained for thermal conduct it is shown tha <u>Nikol'skiy</u> for and 4 figures. ASSOCIATION: I Sciences, USSR)	strong detonation in planar symmetry (n=2/3). Nur strong detonation in planar symmetry (n=2/3). Nur r temperature, pressure, density, and velocity fie ivity values. In the limit of the conductivity ap ivity values. In the limit of the conductivity ap t the temperature gradients disappear. "The autho his advice and comments on the work." Orig. art. nstitut mekhaniki AN SSSR (Institute of Mechanics,	merical results lds for various proaching infinity, or thanks <u>A. A.</u> has: 32 equations Academy of ENCL: 00	
gas law and gene for the case of are obtained for thermal conduct it is shown tha Nikol'skiy for and 4 figures.	strong detonation in planar symmetry (n=2/3). Nur strong detonation in planar symmetry (n=2/3). Nur r temperature, pressure, density, and velocity fie ivity values. In the limit of the conductivity ap ivity values. In the limit of the conductivity ap t the temperature gradients disappear. "The autho his advice and comments on the work." Orig. art. nstitut mekhaniki AN SSSR (Institute of Mechanics,	Merical results lds for various proaching infinity, or thanks <u>A. A.</u> has: 32 equations , Academy of	

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L 7920-66 EWT(1)/EWP(m)/ETC/EPF(n)-2/EWG(m)/EMA(d)/EPA(w)-2/FCS(k)/EMA(d)/EMA(d)/EPA(w)-2/FCS(k)/EMA(d)/EM	₩(h)/EHA(q 950/0954)	•
	16		
AUTHOR: Fadeyev, S. I. (Moscow)	B		
ORG: None			
TITLE: Hydrodynamic acceleration of a plasma in a discharge tube			
SOURCE: Inzhenernyy zhurnal, v. 5, no. 5, 1965, 950-954	أمدار		1

TOPIC TAGS: plasma acceleration, discharge tube, hydrodynamic theory, ideal gas, thermodynamics, plasma shock wave 1, 21, 44, 55 ABSTRACT: The article considers the one dimensional plane motion of a nonviscous, non-heat conducting ideal gas, determined by the evolution of energy (per unit of area) according to the law: (1.1) W(0) = 0,W = W(t),where W(t) is a continuous function, together with its derivatives. The problem re-UDC:533.95 2 Card 1/3

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0 L 7920-66 ACC NR: AP5026694 duces to the solution of the problem of a piston, the law of whose motion is connected with Eq. (1, 1) above by an equation expressing the conservation of energy. We havw: $\int_{0}^{\frac{1}{2}} \left(\frac{pu^{4}}{2} + \frac{p}{\gamma - 1}\right) dr,$ or, taking into account that in the region of the gas discharge plasma, where rho=0, $\int_{0}^{r_{\bullet}} \left(\frac{pu^{\bullet}}{2} + \frac{p}{\gamma_{\bullet} - 1}\right) dr = \frac{P^{\bullet}}{\gamma_{\bullet} - 1}r_{\bullet},$ the law for the conservation of energy can be written in the form: $W(i) = \frac{p_{\bullet}}{\gamma_{\bullet} - 1} r_{\bullet} + \int_{0}^{\infty} p_{\bullet} \frac{dr_{\bullet}}{dt} dt.$ Here r_* is the law of motion of a piston, whose role is played by the surface of Card 2/3 CONCEPTION OF

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L 7920-66 \sim ACC NR: AP5026694 the explosion; r_0 is the law of motion of the shock wave; rho is the density; p_* is the pressure on the piston; the internal energy of the quiescent gas is neglected. The results of theoretical calculation are compared with experimental data. Orig. art. has: 16 formulas, 5 figures, and 1 table SUB CODE: ME, TD/ SUBM DATE:05Jul64/ ORIG REF: 005/ OTH REF: 000 3





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PADEYEV, V. Fanorawic photography. Sov.foto 17 no.6:46-49 Je '57. (MLEA 10:8) 1.Starshiy master tsokha "Normal'" avtozavoda in. Likhacheva. (Photography, Panoranic)

FADETEV, V.

Improve lifesaving. Voen.znan. 34 no.3:14 Mr '58. (MIRA 11:4)

1. Nachal'nik Upravleniya spasatel'noy sluzhby TSentral'nogo Komiteta Dobrovol'nogo obshchestva sodeystviya armii, aviatsii i flotu SSSR.

(Lifesaving)

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FADEYEV, V.A.

High rare earth content of rocks in the northern Verkhoyansk Range. Inform.biul. NIIGA no.13:54-57 '59. (MIRA 13:5)

(Verkhoyansk Range--Rare earths)



FADEYEV, V.A.

Rhythmicity of igneous processes as a basis for the division of lava formation. Inform. sbor. NIIGA no.31:36-45 '62. (MIRA 16:12)

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"ADEVEV, V.A., inshemer; GORSHENKOV, A.D., inshemer
Device for veneering curved surfaces. Der.prom.4 no.7:24 J1'55.
 (MLRA 8:10)
1. Mebel'maya fabrika no.2 tresta Mosgormebel'prom
 (Moscow--Veneers and veneering)

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Device for the manufacture of round table frames of plywood. Der.prom. 5 no.1:19-21 Ja '56. (MLRA 9:5)

1. Mebel'naya fabrika No. 2 tresta Mosgormebel'prom. (Furniture industry) (Veneers and veneering)

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FADETEV, V.A., inzhener. FADETEV, V.A., inzhener. Finishing beech to resemble mere valuable types of wood. Der.prem.5 (MLEA 9:10) 1,Kebel'naya fabrika ne.2 tresta Mesgermebel'prem. (Weed finishing) (Furniture industry)

CIA-RDP86-00513R00041233

FADEYEV, V.A., inzhener.

Inlays with use of colored compositions. Der.prom. 5 no.12:21-22 D '56. (MIRA 10:1) 1. Mebel'naya fabrika no.2 tresta Mosgormebel'prom. (Cabinetwork) (Marquetry)

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Parts and the




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FADEYEV, V.A., inzh.

New designs of the sliding parts of circular extension tables. Der.prom. 7 no. 7:24 Jl 158. (MIRA 11:8)

1. Moskovskaya mebel'naya fabrika No. 17. (Tables)

1915-5-5

L 04044-67 E.T(1	$/E_{VT}(m)/E_{WP}(k)/E_{WP}(t)/E_{TI}$ IJP(c) JD
ACC NR: AR6022140	
AUTHOR: Sheveley	, A. S.; Fadeyev, V. Ya. 28
	of systematic and random errors in the determination of \mathcal{B}
SOURCE: Ref. zh.	Tekhn mashinostr, Abs. 2B29
REF SOURCE: Tr.	Kuybyshevsk. aviats. in-t, vyp. 20, ch. 1, 1965, 63-70
TOPIC TAGS: mac	nining, machining error, error, error determination
<u>A-a+A</u> mh, limits of the batch o machining errors. of error summation according to a linea cal value of random and charts are cited	From of machining by linear dimensions in the general form is: where a is the value of the variable systematic errors within the of parts, and Δi_{mh} is the field of instantaneous dispersal of The problem considered is that of the theoretical probability due to changes in the magnitude of the systematic error in time r law. It is pointed out that for each part in the batch the numeri- and systematic error appears to be of random magnitude. Tables for error determination in machining by linear dimensions, with ction risk, and for determining the percentage of rejects in a
Card 1/2	UDC: 621, 9, 001, 5

L Ohohh-67 '. ACC NR: AR6022140	(\mathcal{I})	
batch (of parts) in the nonsymmetric arrangement of the dis sions in relation to the field of tolerance. Four figures, 2 of 4 reference items are given. L. Tikhonova. [Translati	tables and a biblicement.	y
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Card 2/2	·······	



"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041233 USHAKOVA, G.V.; FADEYEV, V.A. Ixodid ticks parasitizing on hares in western Kazakhstan. Trudy Inst. zool. AN Kazakh. SSR 22:174-176 '64. (MIRA 17:12)

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FADEYEV, V.G., vitse-admiral, redaktor; POZNAKHIRKO, A.S., kapitan I ranga, redaktor; ZUDINA, M.P., tekhnicheskiy redaktor.

A LANARY MARTINE STRATEGICS

[Concise dictionary of sea terms] Kratkii morskoi slovar'. Moskva, Voen.izd-vo Ministerstva obor. SSSR, 1955. 119 p. (MLRA 9:4)

(Russian language--Dictionaries) (Navigation--Dictionaries)

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MALAKHOV, Z.S., kapitan 1 ranga sapasa; SHAKHOKDANOV, A.A., inzh.-kapitan 1 ranga; LOPATIN, A.M., kapitan 1 ranga; YHMEL'TANOV, N.V., kapitan 1 ranga; BOGOYATIENSKIT, D.N., kapitan 2 ranga; GOROHENKO, B.K., kapitan 2 ranga; VAL'KOV, I.Ta., inzh.-podpolkovnik; NOVOSIL'TSEV, O.N., kapitan-leytenant, BIRINBERG, M.E., insh.; FAIDETEV, T.G., vitee-admiral, obshchiy red.; MASHAROV, A.I., red.; STREL'NIKOVA, M.A., tekhn.red.
[Practical seamanship] Norskais praktika. Noskva, Voen.isd-vo M-va obor.SSSR. Pt.l. 1958, 416 p. (MIRA 12:6) (Navigation)

"APPROVED FOR RELEASE: Thursday, July 27, 2000 CIA-RDP86-00513R00041233 了一个王的时间的研究部分和研究中的中的中国社会社。《日本》·西南部一

The AMERICAN DOBER INTERPORT AND A CONTRACT	Rate - A
22967 s/128/000/011/004/007 A033/A133	
11500 de 160,496 NUTHORS: Fadeyev, V. G., Tsyganenko, G. I., Slobodyanyuk, L. Z. NUTHORS: Fadeyev, V. G., Tsyganenko, G. I., Slobodyanyuk, L. Z. TITLE: Casting the stern post of the atomic icebreaker "Lenin" TITLE: Liteynoye proizvodstvo, no. 11, 1960, 27 - 29 PERIODICAL: Liteynoye proizvodstvo, no. 11, 1960, 27 - 20 TEXT: The authors point out that the development of the electroslag of the standard the manufacturing processes of the introduction of this method stimulated the development and fabrication of the low-alloyed $-1-2$ (SL-2) and $-7-30$ (SL-3) and $-7-30$ (SL-3) while this are body to the casting a good weldability. A typical example of the utilization of such a technology is the casting of the stern post of the atomic icebreaker is possessing a good weldability. A typical example of metal, the fabrication of stuce at the one piece would have required 135 tons of metal, the fabrication of universe is the casting and welding consumed only 123 tons of interal metal, the maximum over all interal the blanks being 5.5 x 1.7 m. The nine stern post parts were made if the blanks being 5.5 x 1.7 m. The nine stern post parts were made if most of the blanks being 5.5 x 1.7 m. The nine stern post parts are as permeability of universe was prepared of 355 tons, the maximum over all interal interal mixture was permeability of the stern post of the stern post parts were made if the stern post parts are post parts and metal interal the maximum over all interal mixture was prepared of 355 tons, the maximum over all interal mixture was prepared of 355 tons of interal post parts and models. The coating mixture was permeability of the stern post of the stern post parts were made if the stern post part is a post of 355 tons of interal post parts are post of 355 tons. The coating mixture was permeability of 355 tons of interal post parts were made if the stern post parts are post parts were made if the stern post parts are post parts were made if the stern post parts are post parts were made if the stern post parts	
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22967 S/128/60/000/011/004/007 Casting the stern post of the atomic icebreaker "Lenin" A033/A133 150 units, compression strength of 0.45 - 0.55 and rupture strength of 1.5 - 2.0

kg/cm². The core mixture was composed of 60.4% Millerovo sand, 30.2% spent mixture, 9.4% clay paste and 4.0% KT binder. This mixture had a humidity of 5.5 -6.5%, a gas permeability of 90 units, a compression strength of 0.45 - 0.50 and a rupture strength of 2.5 - 3.0 kg/cm². The cores of the solid parts of the stern post (2, 4, 5, 7, and 8 in Fig. 1) were coated with a mixture composed of 67% Millerovo sand, 13% clay paste and 20% marshallite, of 90 units gas permeability, compression strength 0.45 - 0.55, rupture strength $1.5 - 2.0 \text{ kg/cm}^2$ and a humidity of 6 - 7%. Most of the parts were molded in the ground or in calssons. Round chills were placed in the joining spots between structural ribs and casting bodies which proved to be a good remedy against hot cracks in steel castings. Owing to the impossibility of ensuring the feed of the castings by shrinkage heads only, internal chills made of screens 6 - 8 nm in diameter and pieces of SL-2 steel were placed into the solid parts of the castings. The utilization of shrinkage heads and chills made it possible to increase the output of serviceable products to 78.5%. The gate system was so calculated as to allow the metal feed by a great number of feeders which ensured a relatively rapid filling of the molds with metal and excluded the possibility of warming up one of the metal parts. To ensure a directed solidification of the castings independently of the metal feed, the

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Casting the stern post of the atomic icebreaker "Lenin" $\frac{22967}{603/600/001/004/007}$ feeders were positioned in two and even three rows, so that, at the belinning, the lower parts of the castings were filled. The castings were cooled in the molds for 35 - 90 h. After the shrinkage heads and pouring gates had been removed the castings were subjected to normalization at 940 - 960°C and 900 - 960°C with subsequent tempering at 600 - 620°C and cooling in the air. To prevent the formation of cracks, which were detected during the gas cutting of anrinkage heads on the first castings, the further cutting of chrinkage heads was effected after annealing at 950°C with subsequent slow cooling in the furnace. Welding was carried out with YOHN -13/45A (UONI-13/45A) electrodes. There are 9 figures.

Card 3/4



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L 53974-65 EWT(1)/EPA(s)-2/EWT(m)/EWP(1)/T/EWP(t)/EEC(b)-2/EMF(b) Pt-7/Pi-4 IJP(c) JD/GG ACCESSION NR: AP5011450 UR/0048/65/029/004/0647/0649 AUTHOR: (Kotel'nikov, N. V.; Sokolov, L. N.; Fadeyev, V. 1. 4/6 TITLS: Dotermination of optimum current density in electrolytic preparation of films /Report, Second All-Union Symposium on the Physics of Thin Ferromagnetic Films held in Irkutak 10-15 July 1964/ SOURCE: AN SSSR. Investiva. Seriva fizicheskaya, v. 29, no. 4, 1965, 647-649 TOPIC TAGS: thin film, ferromagnetic thin film, electroplating ABSTRACT: The magnetic and other properties of films prepared by electroplating depend to some degree on the current density, but determination of the best current density experimentally is a difficult problem. Hence in the present paper a pro- calculations may also be of help in prenaring this film current density is proposed. The	
$\frac{L 5397h-65}{[IJP(c)]} EWT(1)/EPA(s)-2/EWT(n)/EWP(1)/T/EWP(t)/EEC(b)-2/EWF(b)) Pt-7/Pi-h$	
ACCESSION NR: AP5011450 UR/0048/65/029/004/0647/0649	
TITLS: Determination of optimum current density in electrolytic preparation of films /Report, Second All-Union Symposium on the Physics of Thin Ferromagnetic Films held in Irkutsk 10-15 July 1964/	
SOURCE: AN SSSR. Izvestiya. Seriya fizicheskaya, v. 29, no. 4, 1965, 647-649	
TOPIC TAGS: thin film, ferromagnetic thin film, electroplating	
density experimentally is a difficult under bit determination of the best curren	t 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.
calculations may also be of help in preparing thin films on conducting substrates.	Э
potential is constant. However, it is assumed that the electrode	
will vary appreciably, and with it the current density. By carrying out a test Cord 1/2	

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lating under these condition f the cathode one can find he optimum current density ertinent analytical calculates escribed. Some variants are	(potential) for the gi	ven temporature, bat	gly, determine th, etc. The		
sociation: None					
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T. D. Y.V.	
AUTHORS:	48-7-6/21 Vorob'yev, V.D., Il'in, K.I., Kol'Chinskaya, T.I., Latyshev, G.D., Sergeyev, A.G., Trofimov, Yu.N., Fadeyev, V.I.
TITLE:	The Spectrum of The Electrons of the Internal Conversion of Active Radium-Containing Thorium Deposits III(Domain H g = 1380 to 2700 and 3500 to 9000 Gs. Cm.) (spektr elektronov vnutrenney konversii aktivnogo osadka radiotoriya' III (Oblast' H g = 1380 to 2700 i 3500 do 9000 Gs. cm) toriya)
PERIODICAL:	Izvestiya Akad. Nauk SSSR, Ser. Fiz., 1957, Vol. 21, Nr 7, pp. 954 - 961 (USSR)
ABSTRACT:	1.) The Intensities of the Conversion Lines. In the determina- tion of the relative intensities of conversion lines the fact was taken into account that a portion of the atoms ThC" falls down from the source due to the ∞ -emission on the decay ThC ThC". This circumstance leads to the fact that the intensi- ty of all conversion lines developing on the decay ThC ThD decrease by 30% in comparison with the Intensity of the lines of other nuclei. Therefore the intensities of all lines which de- develop in connection with the decay ThC". ThD were determined
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Mine Creative of	48-7-6/21
The Spectrum of	the Electrons of the Internal Conversion of Active Radium-Con- taining Thorium Deposits
	III(Domain Hg = 1380 to 2700 and 3500 to 9000 Gs. cm.)
	conversion electrons in the domain $H_{o} = 1380 - 2600$ Gs. Cm.
	3.) The conversion spectrum in the "rigid" domain/ Certain lines discovered by the authors are recorded on figures 5, 6 and 7, their energies and intensities on table 2. There are 2 tables, 7 figures and 16 references, 8 of which are Slavic.
ASSOCIATION:	Department of Physics, Leningrad Institute of Railroad Transporta- tion Engineers (Kafedra fiziki Leningradskogo instituta inzhenerov zheleznodo- rozhnogo transporta)
AVAILABLE:	Library of Congress
Card 3/3	

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FI) DEVEL, V.E. ZHERNOVOY, A.I., KRISYUK, E.M., LA TYSHEV, GD., REMENNYZ, A.S., 56-4-7/52 AUTHOR . SERCEMEV, A.G. FADEYEV, V.1. TITLE Spectra of the Internal Conversion Electrons of the Active Precipitation of Radiathorium II. (Spektr elektronov vnutrenney konversii aktivnogo osadka radiotoriyaII - Russian) PERIODICAL Zhurnal Eksperim.i Teoret.Fiziki,1957,Vol 32,Nr 4 pp 682-689(U.S.S.R.) Received 7/1957 leviewed 8/1957 ABSTRACT Investigation of the active precipitation was carried out within the doman H 500-1300 cm magnetic spectrometer (width of lines 0,25%), angle of the spectrometer in the horizontal plane 40°, height of diaphragm 16 mm). The magnetic field was measured by the method of proton magnetic resonance. Registration of electrons was carried out by means of 2 self-extinguishing GM counters. The position and the intensities of K and L conversion electron energies of the electrons are computed according to the formula $\mathbb{E}KL L = \mathbb{E}_{K}^{Z} - \mathbb{E}_{Lq}^{Z+\Delta 3}$ where \mathbb{E}_{K}^{Z} and \mathbb{E}_{Lp}^{Z} denote the binding energies of K and Lp electrons in the normal atom, and $s_{1}^{z+\Delta z}$ is the binding energy of Lq electrons in the atom in which no Lp electrons are present. The decrease of the quality of the shielding effect can be explained by the increase of the charge: $\Delta Z = (E_{Lq}^{z+\Delta z} - E_{Lq}^{z})/(E_{Lq}^{z+1} - E_{Lq}^{z})$. Theoretical computation of the quantity ΔZ is complicated and at present not yet possible. The Card 1/2spectra of the internal conversion of the active precipitation of radia-

àuthors :		., Sergejev, A. G., Laty Fadeyev, V. I.	shev, G. D., 56-5-10/46	
TITLE:	The Decay Scheme of $T1^{208}$ (Skhema raspada $T1^{208}$)			
PERIODICAL:	Zhurnal Eksperimental'noy i Teoreticheskoy Fiziki, 1957, Vol. 33 Nr 5, pp. 1144-1146 (USSR)			
ABSTRACT :		on spectrum of T1208 was ometer and the following	ploted by means of a semi flines were found:	i-
	Ef in KeV	Multipole order	Intensity in %	
	211,4	<u>ж</u> 1	0,32	_
	233,4	<u>M</u> 1	0,34	
	252,54	<u>La</u> 1	1,1	
	277,35	M1	8,4	
	485,9	-	0,5	
	510,84	-	22,6	
	583,2	E2	83,2	
	763,2	M1	2	
	860,5	M1	12,3	
	2614,3	E3	100	
Card $1/2$				