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25019 Determination of the density ... s/052/61/006/002/006/006 c111/c222

The application of the described method for the determination of P(y,t) is shown by two examples (all-relay system, linear detector).

The author mentions Andrey Nikolayevich Kolmogorov. There are 2 figures, 5 Soviet-bloc and 5 non-Soviet-bloc references. The references to the two English-language publications read as follows : J.L. Doob, Veroyatnostnyye protsessy (Stochastic processes), M., IL, 1956, Dressel, The fundamental solution of the parabolic equation, Duke Math.Journal; 7, 185 (1940); 13, 61 (1946).

SUBMITTED: October 20, 1960

Card 5/5

APPROVED FOR RELEASE: 09/17/2001

CIA-RDP86-00513R000721930004-5



APPROVED FOR RELEASE: 09/17/2001

5/020/62/147/001/008/022

B104/B102

Theory of turbulence in...

 $\frac{\partial b_{il}(\mathbf{x},\mathbf{x}',l)}{\partial l} + \left(U_k(\mathbf{x},l) \frac{\partial}{\partial x_k} + U_k(\mathbf{x}',l) \frac{\partial}{\partial x_k'} \right) b_{il}(\mathbf{x},\mathbf{x}',l) + \\ + \frac{\partial U_l}{\partial x_k} b_{kl} + \frac{\partial U_l}{\partial x_k'} b_{ik} = -\frac{1}{p} \left(\frac{\partial b_{pl}}{\partial x_l} + \frac{\partial b_{lp}}{\partial x_l'} \right) + v\Delta_x b_{ll} + v\Delta_{x'} b_{ll}.$ (2)

A nonuniform flow is studied in which the initial disturbances are such that the maximum measure 1 of turbulence is smaller than the characteristic measure L of the averaged flow. Under these conditions the spectral function

$$\Phi_{ii}(\mathbf{k}, \mathbf{x}, t) = \int_{-\infty}^{\infty} e^{i\mathbf{k}\mathbf{r}} \, \overline{\delta V_i(\mathbf{x} - \mathbf{r}/2)} \, \delta V_i(\mathbf{x} + \mathbf{r}/2) \, d\mathbf{r}, \quad (3)$$

of the pulsations is introduced which depends on x only implicitly via the slowly varying function $\overrightarrow{U}(\overrightarrow{x},t)$. (2) and the derivatives of $\overrightarrow{U}(\overrightarrow{x},t)$ gives

$$\begin{pmatrix} \frac{\partial}{\partial l} + U_k \frac{\partial}{\partial x_k} \end{pmatrix} \Phi_{ij} (\mathbf{k}, \mathbf{x}, l) - \frac{\partial U_k}{\partial x_l} k_k \frac{\partial}{\partial k_l} \Phi_{ij} + (4) \cdot \\ + \frac{\partial U_l}{\partial x_k} \left(\delta_{il} - 2 \frac{k_l k_l}{k^3} \right) \Phi_{kl} + \frac{\partial U_l}{\partial x_k} \left(\delta_{ij} - 2 \frac{k_l k_l}{k^3} \right) \Phi_{ik} = -2\nu k^2 \Phi_{ij}.$$

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Theory of turbulence in...

\$/020/62/147/001/008/022 B104/B102

In a detailed study of this system it is shown that a laminar flow becomes turbulent in the following way: The random vortex disturbances with small amplitude increase in a nonuniform flow. If the Reynolds number and the initial amplitude are such that maximum pulsation amplitude does not exceed a certain threshold, then the pulsation gradually vanishes. Otherwise the laminar flow becomes turbulent.

ASSOCIATION: Moskovskiy gosudarstvennyy universitet im. M. V. Lomonosova (Moscow State University imeni M. V. Lomonosov)

PRESENTED: August 2, 1962, by A. N. Kolmogorov, Academician

SUBMITTED: August 2, 1962

Card 3/3

APPROVED FOR RELEASE: 09/17/2001

KHAZEN, E.M. Theory of turbulence in inhomogeneous flows. Dokl. AN SSSR 147 no.1:60-63 N '62. (MIRA 1 (MIRA 15:11) 1. Moskovskiy gosudarstvennyy universitet im. M.V. Lomonosova. Predstavleno akademikom A.N. Kolmogorovym. (Hydrodynamics) (Turbulence)

KHAZEN, E.M.

Nonlinear theory of the genesis of turbulence. Dokl. AN SSSR 153 no.6:1284-1287 D '63. (MIRA 17:1)

1. Predstavleno akademikom A.N. Kolmogorovym.



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"APPROVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721930004-5 是我们的你**不是我的男孩子,** and turbulence. This report was presented by A is followerow. Orig. Sures and 18 formulas. ASSOCIATION BODE UP CODE: YE "Aug64 ENCL: 00 200 : YUE 125 HE OTHER: 000

ACC NR: AP6033937	SOURCE CODE:	UR/0280/66/000/004/0014/0027	
AUTHOR: Benenson, Z. M. (Hoscow); Khazen, E. M. (Moscow	ı)	
ORG: none	and and a second se	•	
TITLE: Sequential analysis method	ods in problems of multi	ple hypothesis recognition	
SOURCE: AN SSSR. Izvestiya. Tek	nnicheskaya kibernetika,	, no. 4, 1966, 14-27	
TOPIC TAGS: mathematic analysis tion, correlation statistics, no			3-
ABSTRACT: The authors consider theses and recognition of hypothe the laws governing their distribu- quential solution for such proble constructing a certain function	eses in the absence of c ution. A unified synthe ems is proposed. The se	complete information concerning sis procedure for rules of se- equential procedure consists in	-
observed values x_1, \ldots, x_m , and a			
case, these threshold values var Optimum variable threshold values the conditional risk for this fur	s are determined by mean	s of recurrent estimates of	_
ed with regard to the limitation			-
Card 1/3			
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z	rules derived can be implemented with relative ease. The sequential solution rule in the presence of two simple hypotheses is explained as follows: let $P_{y_1}(x_1,\ldots,x_m)$ be	
t	the conditional probability density of the values x_1, x_2, \ldots, x_m observed under condi-	
1	tions when the value of the parameters equals θ_i ($i = 1, 2, $). Then, to obtain a solution, a probability relation is constructed	
	$L_{m} = L(x_{i_{1}}, x_{i_{2}}, \ldots, x_{m}) = \frac{P_{\theta_{1}}(x_{i_{1}}, x_{2}, \ldots, x_{m})}{P_{\theta_{n}}(x_{i_{1}}, x_{2}, \ldots, x_{m})}$	
ē	and compared with the thresholds A and B. If $L_m \ge A$, the hypothesis $\theta = \theta_1$ is assum-	
•	ed to be correct, if $L_m \leq B$, the hypothesis $\theta = \theta_2$ is assumed to be true; if, however,	
Z	$B < L_m < A$, another observation is carried out to get x_{m+1} ; L_{m+1} is constructed and	•
c	compared with the threshold A and B. If θ_1 and θ_2 are constants, $P_{\theta_1}(x_1, \dots, x_m)$ are known functions and the experimental conditions do not change during the observation,	
	compared with the threshold A and B. If θ_1 and θ_2 are constants, $P_{\theta_1}(x_1, \dots, x_m)$ are known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observations. This rule provides an effective solution for distinguishing between two simple hypotheses. However, as a fule, the problems involve not two, but many competing hypotheses. Furthermore, the conditional probability density may not be known. The	
	known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observa- tions. This rule provides an effective solution for distinguishing between two sim- ple hypotheses. However, as a fule, the problems involve not two, but many competing	
	known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observa- tions. This rule provides an effective solution for distinguishing between two sim- ple hypotheses. However, as a fule, the problems involve not two, but many competing hypotheses. Furthermore, the conditional probability density may not be known. The	
	known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observa- tions. This rule provides an effective solution for distinguishing between two sim- ple hypotheses. However, as a fule, the problems involve not two, but many competing	
	known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observa- tions. This rule provides an effective solution for distinguishing between two sim- ple hypotheses. However, as a fule, the problems involve not two, but many competing hypotheses. Furthermore, the conditional probability density may not be known. The	
	known functions and the experimental conditions do not change during the observation, then the thresholds A and B are also constant, independent of the number of observa- tions. This rule provides an effective solution for distinguishing between two sim- ple hypotheses. However, as a fule, the problems involve not two, but many competing hypotheses. Furthermore, the conditional probability density may not be known. The	







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BAHDAS, B.S.; GLOD, G.D.; LAHDO, L.I.; LEVKOVICH, A.P.; TARASOV, G.K.; KHAZEMI, I.M.(Moskva)
Data on the mechanism of action of aminazine. Zhur. nevr. 1 psikh. (MIRA 9:5)
A.Voyeanyy fakul'tet pri Tsentral'nom institute uuovershenstvovaniya vrachay, kafedra psikhiatrii (zav.-prof. A.V. Snezhnevskiy) Tsentral'nogo instituta Usovershenstvovaniya vrachey i Gosudarstvennyy institut psikhiatrii (dir.-dotsent D.Te. Melekhov) Ministerstva zdravookhraneniya RSFSB, (CHLORPROMAZINE, effects, mechanism of action (Rus))

APPROVED FOR RELEASE: 09/17/2001

Kate Extended

KHAZEN, I.M.; KUZNETS, Ye.I.

Effect of great drops in barometric pressure on the higher nervous activity of animals (white rats) during microintervals of time. Lokl. AN SSSR 108 no.5:985-987 Je '56. (MIRA 9:10)

1. TSentral'nyy institut psovershenstvovaniya vrachey. Noskva, Predstavleno akademikom L.A. Orbeli. (ATHOSPHERIC PRESSURE--PHYSIOLOGICAL EFFECT)

APPROVED FOR RELEASE: 09/17/2001

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•	17(10) AUTHOR:	SOV/177-58-3-13/29 Khazen, I.M., Colonel of Medical Service, Professor	
,	TITLE:	On the Regulation of Functions of the Organism During Radial Acceleration	
	PERIODICAL:	Voyenno-Meditsinskiy Zhurnal, 1958, Nr 3, pp 55-60 (USSR)	
	ABSTRACT: Card 1/3	To clarify the regulation of the functions of the orga- nism during radial acceleration, experiments on animals were made studying the secretions of the saliva, sto- mach and intestinal glands, as well as the motion of an empty stomach (P.M. Suvorov, I.L. Waysfel'd, A.S. Barer). Simultaneously some functions of breathing and blood circultation were observed; the stomach secretion of human beings was studied. Experiments were carried out on ten dogs, and as a rule radial ac- celeration was followed by a temporary inhibition of saliva secretion. Changes were particularly marked at accelerations of 5g/20 secs in the direction pelvis - head, when the consequences lasted up to 24 hrs or longer. During acceleration of 3-5g/30 secs in the	
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		OVED FOR RELEASE: 09/17/2001 CIA-RDP86-00513R00072193	80004
-	•	SOV/177-58-3-13/29 ation of Functions of the Organism During Radial Ac-	
	Card 2/3	direction head - pelvis, and also for 15-30 mins after- wards, sharp inhibition of the secretory function of the stomach and even complete cessation of separation of juices was observed on a human patient. As a re- sult of repeated accelerations (up to 8 at intervals over a period of 5-6 days) only a certain tendency to even out changes was noted in the secretion of stomach juice. Analysis of the results shows that while the effects on the saliva glands are operative for a brief period (tens of minutes), and on the stomach glands for a few hours, the secretory processes of the glands of the isolated intestinal loop are affected for days, and for weeks in the case of large accelerations. Stop- page of breathing, which is often noted at the moment of maximum load and is generally restored after 10-15 seconds can scarcely influence the process of intesti- nal secretion. Intramural innervation cannot be ex- cruded as an influence on the changes described earlier. Increasing accelerations invariably caused cessation	
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practical importance to the choice of a physiological-ly well-founded aircrew diet. There are 3 photographs and 2 Soviet references.

Caril 3/3

CIA-RDP86-00513R000721930004-5

KHAZEN, I. M., (USSR)

The Dynamics of Changes of Biologically active Substances in Organism as Affected by Acceleration of Gravity.

report presented at the 5th Int'l. Biochemistry Congress, Moscow, 10-16 Aug. 1961

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CIA-RDP86-00513R000721930004-5

ACC NR: AT6036625 UR/0000/66/000/000/0321/0322 SOURCE CODE: AUTHOR: Razumov, M. I.; Khazon, I. M. ORG: none TITLE: Functional and histological changes in the liver during acceleration; Faper presented at the Conference on Problems of Space Medicine held in Moscow from 24-27 May 19667 SCURCE: Konforontsiya po problemam kosmichoskoy meditsiny, 1966. Problemy kosmichoskoy meditsiny. (Problems of space medicine); materialy konferentsii, Moscow, 1966, 321-322 TOPIC TAGS: biologic acceleration effect, liver, biologic secretion, animal physiology, biologic metabolism **ABS TRACT:** The effect of acceleration on processes of intracellular metabolism has recently received more attention. Due to its size, abundant blood supply, and flexibility in the abdomen, unique disorders occur in the liver under the influence of acceleration. Studies were conducted on 8 dogs which were exposed once to 8-G chest. back acceleration for 3 min. The animals were killed at various periods Card 1/3 ACC NR: AT5035622 FOR RELEASE: 09/17/2001 CIA-RDP86-00513R000721930004 after exposure and always 20 hr after feeding. Tissue samples were taken while the animals were alive under morphine-ether anesthesia and each investigation was conducted with a control. The general reaction of the liver during accelerations was characterized by moderate fatty infiltration of epithelial cells which was observed from the second to the thirtieth day after exposure. Cholesterol precipitation was observed in individual or small groups of epithelial cells.

Neutral fat globules and trivalent iron was found in the cytoplasm of Kupffer cells (animals killed 3 days after exposure). Impurities in the form of brilliant, powerfully refractive crystals of prismatic form were noted in the nuclei of many trabecular cells. These crystals were noted in paraffin, frozen, and celluloid sections using various fixing fluids (acetone, ethalone, Carnoy's fixing fluid, formalin). Birefringence was noted in polarized light. No polysaccharide or lipid components were noted in the crystals. Their protein nature was indicated. In some isolated cells, paired crystals parallel to one another were occasionally noted. Injury to intracellular structures of the liver epithelium included nuclear dislocation in the cytoplasm and chromatin disruption of nuclear matter. As a result, protein synthesis was altered. Precipitation in nuclear matter results in the formation

Card 2/3

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ACC NR: AT0036625

of prismatic crystals. The nucleus containing protein crystals together with noncrystalline precursors was noted in only a small number of epithelial cells located in internal liver lobules from 3-30 days after exposure. In a parallel, control experiment, these changes in Kupffer and epithelial cells were not observed.

The altered metabolic processes of hepatic cells probably depend not only on the direct effect of mechanical forces which injure the intracellular structure, but on the altered structure of other organs and tissues such as the stomach, pancreas, and small intestine. It is possible that accelerations intensify the liberation of biologically active substances into the blood which reach liver capillaries and act as specific stimuli of phenoloxidase synthesis in the cytoplasm of Kupffer cells. The activity sharply increased in the first and second days after exposure to acceleration.

The presence of crystalline structures in cell nuclei has been observed for the first time. These studies are being continued on other animal species.

[W. A. No. 22; ATD Report 66-116]

SUB CODE: 06 / SUBM DATE: 00May66

Card 31

APPROVED FOR RELEASE: 09/17/2001

.L 08811-67 LWT(1) SCTB DD/GD	1
ACC NR: AT00360/9 SOURCE CODE: UR/0000/66/000/000/0376/0377	
· AUTHOR: Nhazon, I. M	3 4
ORG: none	
TITLE: New data on the offect of <u>accelerations</u> on the secretory and motor functions of the digestive system (Paper presented at the <u>Conference on Problems of Space</u> Medicine held in Moscow from 24-27 May 1966/	
SOURCE: Konferentsiya po problemam kosmicheskoy meditsiny, 1966. Problemy Kosmicheskoy meditsiny. (Problems of space medicine); materialy konferent ii, Koscow, 1966, 376-377	
TOPIC TAGS: biologic acceleration effect, digestive system, biologic secrition, weightlessness	9
ABSTRACT: During accelerations which differ in magnitude, direction, and duration changes in the function of salivary, gastric, pancreatic, and intestinal	
and the formation of enzymes (amylase, enterokinase, trypsir, a 'cline'	
humoral regulatory mechanisms of tissues and organs of the digestive	
Card 1/3	 172

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APPROVED FOR RELEASE: 09/17/2001
20865 s/138/61/000/003/005/006 A051/A129 The effect of the gelatinization process of ... where t_{f} is the thermostat temperature, t_{0} - the initial temperature of the bicalorimeter, t - temperature of the central part of the bicalorimeter corresponding to the duration \mathcal{T} of its heating up, m - rate of heating. Figure 2 shows the relationship of $ln(t_f-t)$ to the duration of the heating. The coefficient of the heat-conductivity of the liquid 2 is determined from the formula: (2), $\lambda = \frac{1-1}{12} (c_{1})_{1} + \frac{1-1}{1} c_{1} + D_{1}^{2} m$ where $l = D_1/D_2$ is the ratio of the internal and external diameters of the bicalorimeter; $C_1\gamma_1$ - the thermal capacity of the metal sphere; $C\gamma$. the volumetric thermal capacity of the investigated liquid. In the experiments the method of regular heating of the bicalorimeter was supplemented by the method of stationary internal heating of the sphere, inside of which a heater was placed. For the case of stationary heating of the double-layer sphere, the heat conductivity coefficient is expressed by Qaver. 6 (3a). Faver. At The quantity of heat transmitted through the layer (Qstationary) was deter-mined from the expenditure of electric energy by the heater. The method of Card 2/7

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S/138/61/000/003/005/006 A051/A129

The effect of the gelatinization process of ...

regular conditions was used to determine the relationship $\tilde{\lambda}$ of the latexes and the gelatinizing mixtures to the temperature, and the stationary conditions method was used for determining the kinetics of the λ change during the gelatinization process and that of syneresis. In order to determine the effect of gelatinization on the heat-conductivity, the kinetics of the temperature change relationship to the heat-conductivity was investigated both for revertex and latex L-7 (Figs. 3, 4). It was noted that immediately after gelatinizing agents are introduced into the latex mixture, processes occur causing a decrease in the heat-conductivity of the system. The results obtained showed that after the system has reached a certain degree of stability even before the formation of a solid gel, structures are formed in it gradually, which sharply limit its mobility in certain sections, hampering convection, diffusion and heat-exchange and thus decreasing the heat-conductivity. That change of the latter and that of the electro-conductiv; ty does not stop after the formation of the solid gel: both the electric resistance and the heat-conduc 'vity increas: The heat-conductivity was mensured when the discharging lic: . was removed from the system, in order to determine the effect of the wrests on the thermal-corduct vity (Fig. 5). It is pointed out that the shange both in the her 5-00 luc. AB WCLL ?" that of

Card 3/7

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de le harme. Aue to vneresis degine offor de remit dof the du Di use of the day on the charged in the itorric of the difference of the star in the usual film formation. The soof do on, whereby the fast of gel formation prover does not afit is end of the electric resistance to the moisture cont in a system. There are 6 graphs, 2 diagrams and 6 references: 5 Sovie Er 17 sh.

NS 7. LATION: Mockovskiy institut tonkoy khimicheskoy tekhn logii N. V. Lemonosova (Moscow Institute of Fine Chemical Technology im. M. V. Lomonosov)





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to MHZ L. M. Dr. M.

BRNESHEVICH, I.I., kandidat tekhnicheskikh nawk; BOGIN, N.H., kandidat tekhnicheskikh nauk; BYKOV, Ye.1., inzhener; VLASOV, I.I., kendidat tekhnicheskikh nauk; GRITSEVSKIY, M.Ye., inzhener; GRUBER, L.O., inzhener, GURVICH, V.G., inzhener; DAVYDOV, V.N., inzhener; YER-SHOV, I.M., kandidat tekhnicheskikh nauk; ZASORIN, S.N., kandidat tekhnicheskikh nauk; IVANOV, I.I., kandidat tekhnicheskikh nauk; KRAUKLIS, A.A., inzhener; KROTOV, L.B., inzhener; LAPIN, V.B., inzhener; LASTOVSKIY, V.P., dotsent; LATUNIN, N.I., inzhener; MARKVAHDT, K.G., professor, doktor tekhnicheskikh nauk; MAKHAYIOV, H.I., professor, doktor tekhnicheskikh nauk; NIKANOROV, V.A., inzhener; OSXOLKOV, K.N., inzhener; OKHOSHIN, L.I., inzhener; PARFENCV, K.A., dotsent, kandidat tekhnicheskikh nauk; PERTSOVSKIY, L.M., inzhener; POPOV, I.P., inzhener; PCR5HHAV, B.G., inzhener; RATHER, M.P., inchener; ROSSIYAVSKIY, G.I., dotsent, kandidat tekhnicheskikh nauk; RYKOV, I.I., kandidat tekhnicheskikh nauk; RYSHKOVSKIY, I.Ya., dotsent, kandidat tekhnicheskikh nauk; RYABKOV, A.Ya., professor [deceased]; TAGER, S.A., kandidat tekhnicheskikh nauk; KHAZEN, M.M., professor, doktor tekhnicheskikh nauk; CHERNYSHEV, M.A., doktor teknnichuskikh nauk; HUIN, L.Ye., professor, doktor tekhnicheskikh nauk; YUIGNEV, B.H., dotsent; AKSENCV, I.Ya., dotsent, kandidat tekhnicheskikh nauk; ARKHANGEL'SKiT, A.S., inzhener; BARTENEV, P.V., professor, doktor tekhnicheskikh nauk; BHRNGARD, K.A., kandidat tekhnicheskikh nauk; BOROVOY, N.Ye., dotsent, kandidat tekhnicheskikh nauk; BOJDANOV, I.A., inshener; BUGDANOV, N.K., kandidat tekhnicheskikh nauk; VINNICIMNKO, N.G., dotsent, kandidat ekonomicheskikh nauk; (Continued on next card)

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HENESHEVICH, I.I. ---- (continued) Card 2.

VASIL'YEV, V.F.; GONCHAROV, N.G., inchener; DERIBAS, A.T., inchener; DOBROSHL'SKIY, K.H., dotsent, kandidat tekhnicheskikh nauk; DUKACH, B.A., kandidat tekhnicheskikh nauk; YEFIMOV, G.P., kandidat tekhnicheskikh nauk; ZEMBLINOV, S.V., professor, doktor tekhnicheskikh nauk; ZABELLO, M.L., kandidat tekhnicheskikh nauk; IL'IN, K.P., kandidat tekhnicheskikh nauk: KARETNIKOV, A.D., kandidat tekhnicheskikh nauk; KAPLUN, Z.Sh., inzhener; KANSHIN, M.D.; KOCHNEV, F.P., professor, doktor teknnicheskikh nauk; KOGAN, L.A., kandidat tekhnicheskikh nauk; KUGHURIN, S.F., inzhener; LEVASHOV, A.D., inzhener; MAKSIMOVICH, B.H., dotsent, kandidat tekhnicheskikh nauk; MAHTYNOV, M.S., inzhener; MEDAL', O.M., inzhener; NIKITIN, V.D., professor, kandidat tekhnicheskikh nauk; PADNYA, V.A., inzhener; PANTELEYEV, P.I., kandidat tekhnicheskikh nauk; FXTROV, A.P., professor, doktor tekhnicheskikh nauk; POVOROZHENKO, V.V., professor, doktor tekhnicheskikh nauk; PISKAREV, I.I., dotsent, kandidat tekhnicheskikh nauk; SERCEYEV, Ye.S., kandidat tekhnicheskikh nauk; SIMONOV, K.S., kandidat tekhnichekikh nauk; SIMANOVSKIY, M.A., inzhener; SUYAZOV, I.G., inzhener; TAIDAYEV, F.Ya., inchemer; TIKHONOV, K.K., kandidat tekhnicheskikh naux; USHAKOV, N.Ya., inzhenr; USFENSKIY, V.K., inzhener; FEL'DMAN, H.D., kundidat tekhnicheskikh nauk; FERAPONTOV, G.V., inzhener; KHOKHLOV, L.P., inshenr; CHERNOMORDIK, G.I., professor, doktor tekhnicheskikh nauk; SHAMAYEV, H.F., inshener; SHAFIRKIN, B.I., inchener; YAKUSHIN, S.I., inchener; GRANOVSKIY, P.G., redaktor; TISHCHENKO, A.I., redaktor: ISAY V, I.P., dotsent, kandidat tekhnicheskikh nauk, redaktor; KLIMOV, /.F., dotsent kandidat tekhnicheskikh (Continued on next card)

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BENESHEVICH, I.I.--- (continued) Card 3.

nauk, redaktor; MARKOV, H.V., inzhener, redaktor; KALIMIN, V.K., inzhener, redaktor; STEPANOV, V.N., professor, redaktor; SIDOROV, M.I., inzhener, redaktor; GERONIMUS, B.Ye., kandidat tekhnicheskikh nauk, redaktor; ROBEL⁴, R.I., otvetstvennyy redaktor

[Technical reference manual for railroad engineers] Tekhnicheskii spravochnik zheleznodorozhnika. Moskva, Gos. transp.zhel-dor. izd-vo. Vol.10. [Blectric power supply for railroads] Energosnabzhenie zheleznykh dorog. Otv.red. toma K.G.Markvardt. 1956. 1080 p. Vol.13. [Operation of railroads] Ekspluatatsiia zheleznykh dorog. Otv. red. toma R.I.Robel*. 1956. 739 p. (MLRA 10:2)

1. Chlen-korrespondent Akademii nauk SSSR (for Petrov) (Electric railroads) (Beilroads---Management)

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Translation	SOV/124-57-3-2957 from: Referativnyy zhurnal. Mekhanika, 1957, Nr 3, p 45 (US5R)	
AUTHOR:	Khazen, M. M.	,
TITLE:	Discharge Rates and Pressures of Steam and Gas Turbines Under Operational Conditions Other Than the Design Condition (Raskhody i davleniya pri neraschetnykh usloviyakh raboty parovoy i gazovoy turbin)	
PERIODICA	L: Tr. Mosk. transprekon. in-ta, 1956, Vol 3, pp 167-176	
ABSTRACT	The conditions of operation are investigated for a group of reactive stages of a turbine operating outside the design range on the premise of subcritical flow. From the equation of continuity, and assuming the velocity coefficient to be constant, the author obtains an equation for the determination of the steam discharge rate through the turbine. The expression obtained differs somewhat from the analogous Flügel formula. Comparison of test data with the results of the calculations shows that the magnitude of the	
Card 1/1	error in the calculations shows that the magnitude of the for operations of the turbine far outside of its design range. L. I. Kiselev	

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S/262/62/000/014/010/016 1007/1207 Khazen, M. M. AUTHOR: On the determination of the torque in traction gas-turbines TITLE: Referativnyy zhurnal, otdel'nyy vypusk. 42. Silovyye ustanovki, no. 14, 1962, 32, abstract PERIODICAL: 42.14.197 (Tr. Mosk. in-ta inzh. zh.-d. transp. no. 138, 1961, 20-34) TEXT: An equation relating the torque in gas-turbine stages to the rotational speed has been derived from the continuity and energy equations as well as from the velocity-triangle expressions. Other equations have been obtained for determining the turbine reaction rate and the gas flow through the turbine stages in dependence on the rotational speed. [Russian Abstracter's note: As it results from the author's calculation, upon sudden reduction of turbine-rotor velocity (down to zero), the gas flow through the turbine tends to increase by 20% as compared with the rated value. Calculations and experiments by other authors have shown that in the most favorable case, i.e. at a high reaction rate and small pressure drop in the stages the gas flow through the turbine stages only increases by 3-5% and not by 20% at a low reaction rate as assumed by the author.] [Abstracter's note: Complete translation.] Card 1/1

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KHAZEN, M.M. prof.

Consumption characteristics of a gas-turbine plant in electric power stations. Trudy MIIT no. 179,80-91 '64.

Significance of the boosting of the initial parameters of the steam in heat and electric power plants. Ibid.: 129-135 (MIRA 17:7)

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ANSHRIES, I.M.; FRIDMAN, R.A.; KUNSHINA, T.A.; STENINA, Ye.S.; KHAZENSON, L.B.; TARASOVA, Ye.T. Influensa pandemic of 1957 and certain epidemiological and virological characteristics of influensa in Leningrad. Vop. virus 4 no.1: Ja-7 '59 (URA 12:4) 1. Leningradekky institut epidemiologii, mikrobiologii i gigiyeny imeni Pastera, Leningradekaya gorodskaya sanitarno-epidemiologicheskaya stantsiya 1 39-ya poliklinika. (INFLUENCA, epidemiol. in Russia (Rus))

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ANT LOOKING OF STREET, DEVERONMENT

NOVOGORODSKAYA, E.M.; KHAZENSON, L.B.

Coli enteritis and principles for the organization of its control among young children. Fediatrila no.5131-36 '61. (MIRA 14:5) 1. Iz laboratorii kishechnykh infektsii (rukovoditel' E.M. Novogorodskaya) i sektora epidemiologii (rukovoditel' I.M. Ansheles) Instituta epidemiologii, nikrobiologii i gigiyeny imeni Pestera (dir. - kand.med.nauk M.Ya. Nikitin, zam. dir. po nauchnoy chasti - prof. K.N. Tokarevich). (ESCHERICHIA COLI)

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Evaluation of the epidemiological significance of convalescents following colienteritis. Zhur. mikrobiol., epid. i immun. 42 no.7:82-85 Jl '65. (MIRA 18:11)

1. Institut epidemiologii i mikrobiologii imeni Pastera, Leningrad.

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KHAZENSON, L.B.

Some epidemiological regularities of colienteritis. Trudy Irk. NIIEM no. 7:310-318 '62 (MIRA 19:1)

l. Iz sektora epidemiologii Leningradskogo instituta epidemiologii i mikrobiologii imeni Pastera.

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<pre>NVENTOR: Voynich, L. K.; Zaytsev, I. K.; Sidorov, N. A.; Khazey, A. F. NRG: none TITLE: Pneumohydraulic shock absorber. Class 63, No. 175401 SOURCE: Byulleten' imboreteniy i tovarnykh znakov, no. 19, 1965, 128 MOPIC TAGS: shock abmorber, pneumohydraulic shock absorber mopic track with a liquid and compressed gas 'tast electic movements a mover movement of the primar, wither, when electic movements a mover movement of planeting the working inputs a planetic of movement based inside the primary cylinter, a first stream of meeting a high- movement of the primary cylinter, show are connecting a high- movement of the primary cylinter, first stream of the stream of the movement of the primary cylinter, first stream of the stream meeting alibrated holes and a meet value are the stream of the movement of the upper end of the buck-pressure cylinder and serving as the up- ter shock-absorber support. To prevent leakage of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting and compressed to a compressed stream of the working liquid and compressed meeting and compressed stream of the working liquid and compressed meeting and stream of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting and the stream of the working liquid and compressed meeting alibrated base stream of the working liquid and compressed meeting and the stream of the stream of the working liquid a</pre>	<pre>NVENTOR: Voynich, L. K.; Zaytsev, I. K.; Sidorov, N. A.; Khazey, A. F. NVENTOR: Voynich, L. K.; Zaytsev, I. K.; Sidorov, N. A.; Khazey, A. F. RG: none NTLE: Pneumohydraulic shock absorber. Class 63, No. 175401 DURCE: Byulleten' imberteniy i tovarnykh znakov, no. 19, 1965, 128 http:// TAGS: shock absorber, pneumohydraulic shock absorber nee Fig. 1: for load-carrying vehicles. The unit contains the fill sing a primary interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield with a liquid and compressed gas that election models a mover interfield to the primary vylither, a first election interfield with the linger pump and the measure of the primary first election of the sector model to a circular marry between the interfield with the linger pump and the measure of the sector election of the sector model to a circular marry between the interfield with the sector election of the sector election of the sector election of the sector election of the sector model to a circular marry between the interfield of the sector election of the sector e</pre>	L 4872-56	
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SOURCE: Byulleten' imobreteniy i tovarnykh znakov, no. 19, 1965, 128 TOPIC TAGS: shock absorber, pneumohydraulic shock absorber apermaction An Author Certificate has been issued for a pneumohydraulic shock absorber aper Fig. 11 for load-carrying vehicles. The unit contains the fill sing a primary indicated with a liquid and compressed gas itast electric moments a primary indicated with a liquid and compressed gas itast electric moments a primary indicated with a liquid and compressed gas itast electric moments a primary indicated with a liquid and compressed gas itast electric moments a primary indicated with a liquid and compressed gas itast electric moments a primary indicated with a liquid and compressed gas itast electric moments a primary of the primary cylinder, a fill component of the primary cylinder, a fill some compecting a high- ic ated in the linger pump and the respondence of the some yinder com- station perfect to a circular cavity between the indicated by a sector to be some is not to be the primary cylinder. To be the indicated by a sector to be some sector with a cover mounted on the upper end of the buck-pressure cylinder and serving as the up- ter shock-absorber support. To prevent leakage of the working liquid and compressed	DURCE: Byulleten' imobreteniy i tovarnykh znakov, no. 19, 1965, 128 DURCE: Byulleten' imobreteniy i tovarnykh znakov, no. 19, 1965, 128 DURCE: Shock absorber, pneumohydraulic shock absorber DOMEANT: An Author Certificate has been issued for a pneumohydraulic shock absorber and Fig. 11 for load-carrying vehicles. The unit contains the fill sing a primary in the line with a liquid and compressed gas itas: elseth interfers a mover interfers of the primary cylinter. State elseth interfers a mover interfers of the primary cylinter, state elseth interfers set interfers ballending the working liquid, a primary cylinter, sfort interfers interfers set interfers to primeting the working liquid, a primary cylinter, sfort interfers response to the state interfers to primeting the working liquid and the response to the state interfers with the interfers to primeter to a circular cavity between the interfers and state is the interfers to painter to a circular cavity between the interfers and set with cover mounted on the upper end of the buck-pressure cylinder and serving as the up- er shock-absorber support. To prevent leakage of the working liquid and compressed interfers (20, 11, 012, 82))RG: none	
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<pre>indext fined with a liquid and compressed gas flast elastic models a contract the line were not of the primary synchronic models and the restored that is a contracting the working liquid a pressure of the structure sector of the sector of contracting the working liquid, a pressure of the structure sector of the sector of the solution of the primary synchronic sector of the structure sector that is a first the linger pump and the restor of the structure sector of the sector of the primary synchron, first the structure sector structure sector of the sector of the primary synchron, first the structure sector sector structure sector of the primary synchron, first the structure sector sector sector sector of the a circular cavity between the information sector sector sector sector mounted on the upper end of the buck-pressure cylinder and serving as the up- ter shock-absorber support. To prevent leakage of the working liquid and compressed include the sector of the sector of the working liquid and compressed include the sector sector sector sector sector sector sector sector include sector sector sector sector sector sector sector sector sector sector include sector sector sector sector sector sector sector sector sector sector include sector sector sector sector sector sector sector sector sector sector include sector secto</pre>	<pre>see Fig. 10 for load-carrying vehicles. The unit contains the foll wing a primary in the fined with a liquid and compressed gas itast elastic moments a mover in the over mind of the primary cylinter. For entry with a ford for intervention the working liquid, a primit off intervention of the primary cylinter, a forweather connecting a high- structure with the primary cylinter, a forweather connecting a high- intervention the primary cylinter, a forweather connecting a high- structure to imported to a circular cavity between the transformer such as the transformer cy- culation to imported to a circular cavity between the transformer such as the transformer cy- culation the upper end of the buck-pressure cylinder and serving as the up- er shock-absorber support. To prevent leakage of the working liquid and compressed in the transformer sector of the working liquid and compressed in the transformer support.</pre>	MARS: shock absorber, pre	umohydraulic shock absorber
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MARAAKIM L.V. The mechanism of estalytic dimerisation of acetylene. Izv. AN Arm. SER Ser. khim. nauk 10 no.2:77-81 '57. (MIRA 10:12) 1. Jerevanskiy gosudarstvennyy universitet im. V.M. Molotova, Kafedra fiskhimii. (Kestylene) (Folymerisation)

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KHAZHALIYA, G. YA.

O konformnom otobrazhenii dyukhsvyaznykh oblastey na kol'tso. Tbilisi, Trudy Matem. In-ta. Gr. fil. AN, 1 (1937), 89-105.

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KHAZHALIYA, G. YA.

K teorii konformnykh o'tobrazheniy dvuk**h5**vyaznykh oblastey, tbilisi, trudy matem. In-ta. Gr. **Pi**l. An., 4 (1938), 123-134.

SO: Mathematics in the USSR, 1917-1947. edited by Jurosh, A. G. Markushevich, A. L. Rashevskiy, P. K. Moscow-Leningrad, 1948

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KHAZHALIYA, G. YA.

K teorii konformnykh otobräzheniy dvukhsvyaznykh oblastey. Matem. SB., 8 (50), (1940), 97-106.

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K teorii konforunykh otobrazheniy duukhsvyaznykh oblastey. Dan. 26 (1940), 558-559.

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- 2. USSR (600)
- 4. Surfaces, Representation of
- 7. Some covering theorems for functions regular in doubly connected regions, Trudy Mat. inst. AN Gruz. SSR, 18, 1951.

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CIA-RDP86-00513R000721930004-5

	KHAZHI	ALIYA, G.Y.			
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• • .	SUBJECT AUTHOR	UTSR/MATHEMATICS/Theory of functions CHAZALIJA G.Ja.	CARD 1/2	PG - 433	

TITLE

On the stationary movement of a fluid in a tube of nearly circular cylindric form. PERIODICAL Mat.Sbornik, n. Ser. <u>38.</u> 93-106 (1956) reviewed 12/1956

The author deduces a formula for the approximative solution of the problem of the flow of an ideal fluid with axial symmetry in a tube which differs few from a circular cylinder. If thereby the x-axis is taken as symmetryaxis and if the x,y-plane is a plane passing through the axis in which the boundary curve is given by y = y(x), then the final formula is

$$\nabla = \frac{H}{\eta' x^{3}} \left(1 + \frac{1}{4} yy'' - \frac{1}{4} y'^{2}\right) + R_{1}.$$

Here V denotes the desired velocity of the flow in an arbitrary point of the boundary curve. H the quantity of the flowing out in the unit time and R,

a very small remaining term which serves for the estimation of the approximation. The assumptions are as follows: 1) For finite mean velocity the magnitudes y(x), y'(x), y''(x) and y''(x) are to be uniformly small with respect to x; 2) for the determination of V only those terms are taken into account which are small of second order with respect to y(x), y'(x) and y''(x).

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The applied method is that of the conformal representation where the author generalizes a formula due to M.A. Lavrent'ev (Conformal representations with applications to certain questions of Mechanics, Moscow 1946, p.118, formula 108) which refers to the determination of the elongation of a small strip 0 < y < y(x) of the x,y-plane under conformal mapping onto a linearly bounded strip $0 \le v \le H/2$ of the u, v-plane. Here u(x, y) means the velocity potential and v(x,y) the stream function.

The main theorem had already been published by the author in a short note (Doklady Akad. Nauk 95, 465-468 (1954)); here she gives a detailed proof and estimations for the exactness of the formula.

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AUTHOR: Khazhaliya G. Ya. (Kutaisi) 39-45-1-3/6 TITLE: On an Approximative Formula of the Theory of Conformal Mappings (Ob odnoy priblizhennoy formule teorii konformnykh otobrazheniy) PERIODICAL: Matematicheskiy Sbornik, 1958, Vol 45, Nr 1 pp 31-50 (USSR) AECTRACT: The consideration of hydrodynamic problems led Lavrent'yev to the conformal mapping of a curvilinear strip onto a straightlined one by a function f(z). There it was necessary to estimate the value of |f'(z)| on the boundary of the strip. The estimations obtained in this connection by Lavrent'yev [Ref 1] are generalized by the author to the case that the curvilinear strip boundary possesses a discontinuous curvature in one point. In this investigation the estimation of the integral $\lambda(\alpha) = \int_{\alpha}^{\infty} \frac{(t-\alpha)^2}{\sin^2 \mathbf{x} t} dt'$ has a vital role for which the approximative expression Card 1/2

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USSR / Human and Animal Morphology, Normal and Patho- 5-4 logic Cardiovascular System	
The man Bioline No 13, 1990, 99039	
Author : Gavrilov, L. F. ; Haznescaing	
Dee mont Modical thousand	بر بر
Title : Concerning Trabeculae Carneae Cordis in fine	
Orig Pub: Materialy 19-y nauchn. konferentsii Nyazanen in-ta po probleme: "Anatomiya i patologiya organov grudnoy polosti," Ryazan', 1956, 10-13	
Abstract: Three types of trabeculae (T) were found on 11 pro- parations: basal, loose, and composite. The T of the left ventricle were well expressed on 9 pre- the left ventricle on 2 and on 10 preparations, parations, flattened on 2 and on 10 preparations, traversed the anterior, posterior and external	
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	94. 194

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Abs Jour: Ref Zhur-Biol., No 13, 1958, 59839
outer layer; while T were observed in the arterial cone on two preparations. On all the preparations, a T (1.6-6 centimeters long, 0.1-0.3 contimeters thick), directed downward and forward to the apex of the heart, branched out from the inferior part of the interventricular septum and Joined to the T issuing from the posterior papillary muscle. The T of the right ventricle were thickor and not as evenly distributed, being found in 3 preparations along the anterior and medial walls, on 2, along the medial, anterior, and posterior walls. The T of the medial vall were basal in type, those of the anterior wall, basal (4) and loose (6) and those of the posterior wall,

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