

#06(10) | 2018

СЕТЕВОЕ ИЗДАНИЕ | ISSN 2587-6791

МЕЖДУНАРОДНЫЙ НАУЧНО-ПРАКТИЧЕСКИЙ ЖУРНАЛ

SCIENCE

MODERN RESEARCHES

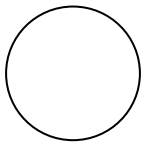
СОВРЕМЕННЫЕ ИССЛЕДОВАНИЯ

The background of the cover features several technical illustrations in a light purple and blue color palette. On the left, there is a large gear mechanism. In the center, a microscope is depicted. On the right and at the bottom, various aircraft models are shown, including a propeller plane and a more modern jet-like aircraft. The overall aesthetic is scientific and engineering-oriented.

ЦНИК



ЦЕНТР
НАУЧНЫХ
ИССЛЕДОВАНИЙ
И КОНСАЛТИНГА



СОВРЕМЕННЫЕ ИССЛЕДОВАНИЯ

№ 6 (10) / 2018

Radek Novák,

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Founder

Radek Novák,

A.V. Azarkhin,

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.Yu. Ivanov,

N.V. Mingalev,

E.V. Fomenko,

A.D. Tsoi,

M.V. Shingareva,

R.O. Letfullin

СОДЕРЖАНИЕ

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SULEIMENOV ., AKBERGENOVA A., OMAROVA G.

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PSYCHOLOGICAL SCIENCES

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Research supervisor

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6. <http://loreal.com> <http://adage.com>
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*Статья поступила в редакцию 08.06.2018 г.
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© A.V. Borisevich, 2018

PERSPECTIVE METHOD OF COSMETIC PRODUCTS DEVELOPMENT

The global cosmetic market demonstrates a steady increase of sales over the last 10 years. Manufacturers expand the range of products in order to maintain a stable demand for their products. The article describes the way to expand the assortment by constructing goods of advanced use, which are able to satisfy typical and atypical needs for a certain item.

Keywords: global cosmetic market, assortment expansion, toothpastes.

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THE NEED TO IMPROVE PROCEDURES FOR STATE TECHNICAL ACCOUNTING AND TECHNICAL INVENTORY OF OBJECTS OF REAL ESTATE

In this study, issues related to the need to improve the procedure of state technical accounting and technical inventory of real estate objects.

Keywords: technical inventory, technical accounting, real estate, real estate, technical inventory of objects, capital construction.

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*Статья поступила в редакцию 25.06.2018 г.
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© М.К. Бузов, 2018

SMALL AND MEDIUM-SIZED BUSINESS DEVELOPMENT INSTITUTIONS

The article considers the modern institutional system of development and support of small and medium-sized businesses at the Federal level of the Russian Federation analyzes and proposes its own version of the institutional system of state support in the Russian Federation.

Keywords: small and medium-sized business, development institutions, institutional system of state support, international cooperation.

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*Статья поступила в редакцию 20.06.2018 г.
Статья рекомендована к публикации 23.06.2018 г.*

THE MAIN FORMS OF FOREIGN INVESTMENTS IN REPUBLIC OF BELARUS

On purpose ensuring the international competitiveness for Republic of Belarus especially important is formation of subjects of managing with high level of production concentration, to the corresponding universal tendencies, the great value is played at the same time by direct foreign investments.

Keywords: economy, foreign investments, investor, economic development, national economy.

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магистрант
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Bitcoin

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CRYPTUALS AS A RESULT OF EVOLUTION OF CURRENCY

The article considers the process of development of modern monetary resources in the form of crypto-currency, their distinctive features are described, identified the main advantages and disadvantages.

Keywords: crypto currency, bitcoin, monetary circulation (currency), information economy.

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© G.S. Kagarmanova, Z.A. Bulatova, N.A. Zamanova, 2018

THE ROLE OF GEOGRAPHY IN THE MODERN WORLD

In this research the questions connected with preparation of the technical plan of real estate objects are considered.

Keywords: geography, geographical picture of the world, geosystems, geographical space.

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*Статья поступила в редакцию 05.06.2018 г.
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**MODERN PROBLEMS OF CARTOGRAPHIC SUPPORT
OF THE RUSSIAN FEDERATION TAKING INTO ACCOUNT
THE GEOPOLITICAL INTERESTS OF THE COUNTRY**

This study examines the current problems of cartographic support of the territory of the Russian Federation.

Keywords: cartographic material, geopolitical, orthophotos and orthophotoplans.

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Recommended for publication on 08.06.2018*

УДК 338

© . . . , 2018

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DEVELOPMENT OF THE TECHNIQUE OF CONTROL OF MANAGEMENT PROCESS CASH FLOWS IN HOLDING STRUCTURE

In article features of the strategic audit of cash flows in holding structures exerting direct impact on the organization of effective strategic management of group of companies are studied. Development and deployment of a technique of implementation of strategic audit of cash flows in holdings will allow to define the most attractive option of strategy allowing to achieve stable financial results in the long term.

Keywords: holding structure; management; cash flows; audit.

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*Статья поступила в редакцию 03.06.2018 г.
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© N.V. Mordovchenkov, 2018

EXCURSION TO THE HISTORY OF THE OPENING OF THE TOURIST CENTER AND THE ROUTE ON THE VOLGA

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УДК 338.1

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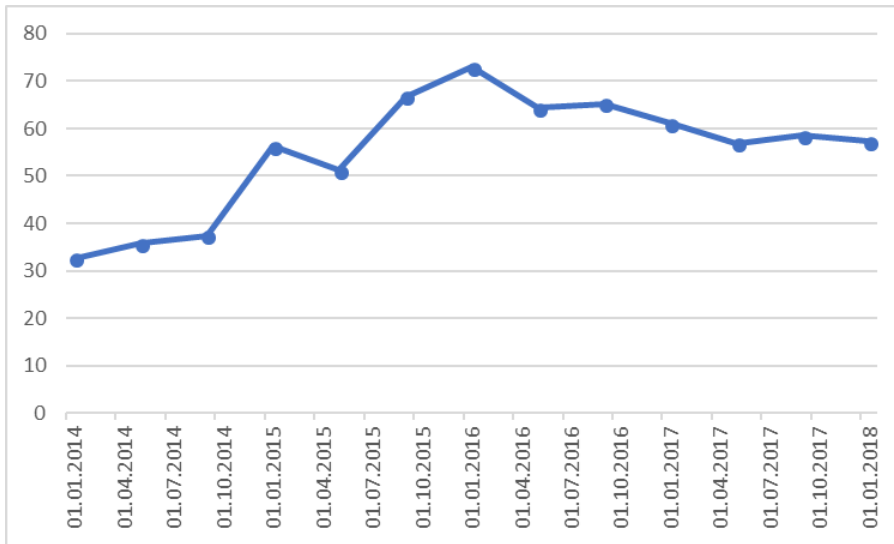


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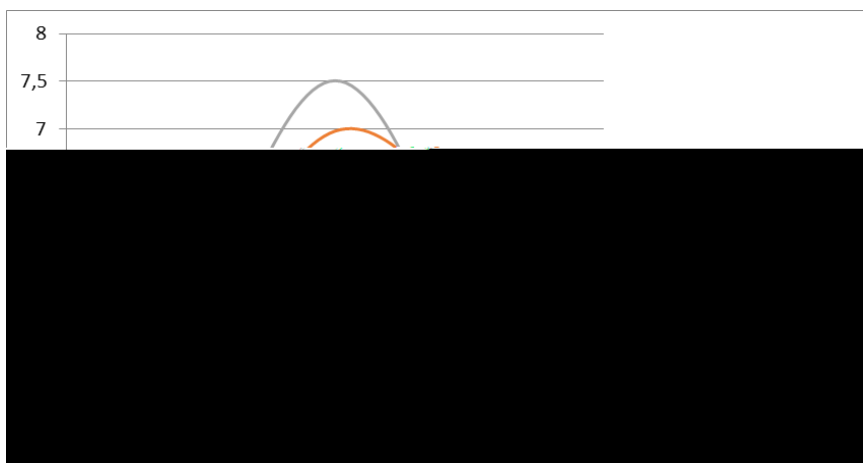


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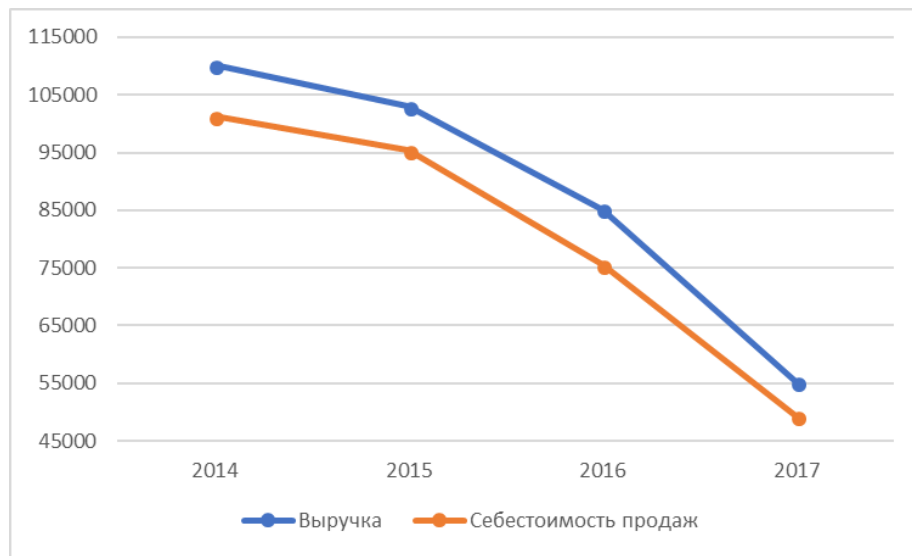


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IMPORT SUBSTITUTION AS A TOOL OF PROFITABILITY MANAGEMENT

The article highlights the problem of the influence of political and economic factors on the financial results of organizations involved in the sale of lubricants. As a solution, it is proposed to use import substitution as a tool for managing profitability.

Keywords: profitability, import substitution, lubricant market.

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© I.V. Sarkisyan, K.S. Zhidik, E.V. Solovei, 2018

USE OF INFORMATION TECHNOLOGIES IN MARKETING

Work is devoted to use of information technologies in marketing.

Keywords: marketing, information technologies, market researches, computer technologies.

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ECOLOGICAL REASONS OF RESTRICTION OF ECONOMIC GROWTH

Work to ecological restrictions of economic growth.

Keywords: restrictions, reasons, economy, economic growth, ecology.

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INTONATION AS THE MOST IMPORTANT MEANS OF COMMUNICATION

This article is devoted to the study of intonation as the most important means of communication.

Keywords: intonation, communication, voice, speech.

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METHODICAL RECOMMENDATIONS FOR TEACHERS ON THE FORMATION OF EDMONTONIANS THE PART OF SPEECH IN CHILDREN WITH DYSARTHRIA

This article is devoted to methodological recommendations for teachers on the formation of edmontonians the part of speech in children with dysarthria.

Keywords: intonation, communication, voice, speech, dysarthria.

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MASTERING EDMONTONIANS PARTY SPEECH IN ONTOGENESIS

This article is devoted to mastering the rhythm of the intonation side of speech in ontogenesis.

Keywords: intonation, ontogenesis, speech.

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FEATURES EDMONTONIANS THE PART OF SPEECH IN CHILDREN WITH DYSARTHRIA

This article is devoted to research of features edmontonians the part of speech in children with dysarthria.

Keywords: intonation, communication, voice, speech, dysarthria.

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© L.N. Boldyreva, 2018

SOCIAL AND PEDAGOGICAL FACILITATION AND INHIBITION

Investigation of the interaction of an individual and a small group is connected, on the one hand, with the study of group pressure, i.e. a set of phenomena caused by those influences, influences that a small group has on the course of mental processes, the attitudes and behavior of an individual, and on the other hand, with the study of the laws governing the influence of an individual on group psychological phenomena and group behavior, i.e. with the study of the phenomenon of leadership.

Keywords: Social facilitation, social inhibition, group, de-individualization, phenomenon, social-pedagogical facilitation, group effects, facilitator, teacher-facilitator.

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адъюнкт 210 кафедры (управления
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ВУНЦ ВВС «ВВА» им. профессора Н.Е. Жуковского и Ю.А. Гагарина
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ACTIVIZATION OF COGNITIVE ACTIVITY OF MILITARY UNIVERSITY COURSES

This article reveals how cognitive activity affects the cognitive process of cadets in a higher military establishment. A number of key points important for training are listed. Two factors of successful training activities, such as continuity and volatility, are affected.

Keywords: cognitive activity, continuity and variability, learning process, learner, thinking.

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© M.Z. Chomeva, 2018
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FEATURES OF SPEECH COMPREHENSION IN PRESCHOOL CHILDREN WITH GENERAL UNDERDEVELOPMENT OF SPEECH

This article presents the features of speech comprehension in children with General underdevelopment of preschool age speech.

Keywords: General underdevelopment of speech, understanding, production, speech.

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THE INTERPERSONAL RELATIONS IN GROUPS. SMALL GROUP

Step by step educational and disciplinary model of education, however, is inferior to its positions of the model of personality oriented, age features affect the status of a full-fledged subject of the educational process. In these conditions, the system of student-learner relations becomes particularly significant, and interpersonal interaction within its framework often turns out to be a decisive factor, influencing the process of personal development of an emerging person, its further professionalization and, in general, the whole life path, therefore the theme of " Interpersonal relations in the structure of the socially psychological climate of the training group ", is relevant.

Keywords: interpersonal relations, subject, factor, personal development, professionalization, structure, socio-psychological climate, collective, small group

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I.J. Shakhmalova

CONSTRUCTION AS THE DEVELOPMENT OF VISUAL AND CREATIVE THINKING OF PRESCHOOL CHILDREN

This article describes the method of construction, as one of the methods of development of visual and creative thinking of children of preschool age. The definitions of different authors are analyzed.

Keywords: thinking, visual-figurative thinking, construction.

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THE LEGAL BASIS FOR THE COMPENSATION OF DAMAGE CAUSED AT WORK

In this article, the problems of compensation by the employer of the moral harm caused to the employee at work are presented. An analysis of the Labor Code of the Russian Federation is carried out regarding this issue. In the event of labor disputes concerning the compensation of damage received by the employee at work, he can apply to the Social Insurance Fund, as well as to the court.

Keywords: employee, harm caused at work, employment contract.

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LEGAL MEASURES TO COUNTERACT PROMOTION OF NON-TRADITIONAL SEXUAL RELATIONS

The authors consider legal regulation of counteraction to propaganda of nontraditional sexual relations in Russia. The article discusses the legal response measures aimed at protecting children's morality caused, in particular, by the legalization of same-sex marriages abroad and the attitude of Russian society to this issue. It is concluded that the norms of legislation in the Russian Federation on the prevention of non-traditional sexual relations are not discriminatory, but are only a necessary restriction of rights, implemented in accordance with international law and the Constitution of the Russian Federation. Proposals were made to improve the legislation.

Keywords: child morality, minors, same-sex marriage, promotion of non-traditional sexual relations.

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Статья поступила в редакцию: 09.06.2018 г.
Статья рекомендована к публикации: 12.06.2018 г.

LEGAL REGULATION OF PHYSICAL CULTURE AND SPORTS IN THE RUSSIAN FEDERATION

This article discusses issues related to the legal regulation of sports in Russia.

Keywords: sports, physical education, legislation.

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HISTORICAL WAYS OF DEVELOPMENT OF INSTITUTE OF APPLICATION OF COERCIVE MEASURES OF MEDICAL CHARACTER

Any infringement of the interests of people protected by the law constitutes danger therefore the state has to protect effectively itself and the citizens. At the same time, the nature of public danger can be various, in communication with what also admissible protection methods will differ with the state. In particular, according to the existing criminal procedure legislation, specific measures of the state influence - coercive measures of medical character can be applied to the persons having a mental disorder and who have made the act forbidden by the criminal law. The purpose of work seems in determination of features of historical development of this legal institute and identification of possible ways of improvement of its application in the present.

Keywords: Coercive measures of medical character, criminal legal proceedings, insanity, mental disease, release from criminal liability, compulsory treatment.

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Таблица 1

	20	50	80
	20	5	1



Рис.

Таблица 2

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	20	50	80
	7,49	3,88	5,68
	7,47	4,94	5,13

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COMPARISON OF ADHESIVE JOINT STRENGTH WHEN FACING FURNITURE BOARDS WITH THERMOMODIFIED VENEER

This article describes the results of the test to determine the strength of the adhesive compound in the cladding of furniture boards thermomodified veneer.

Key words: furniture board, thermal modification, veneer, facing, strength.

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"МИСиС"
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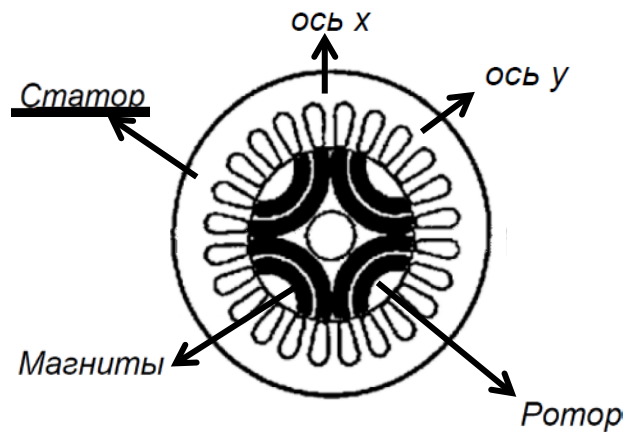


Рис. 1. - -

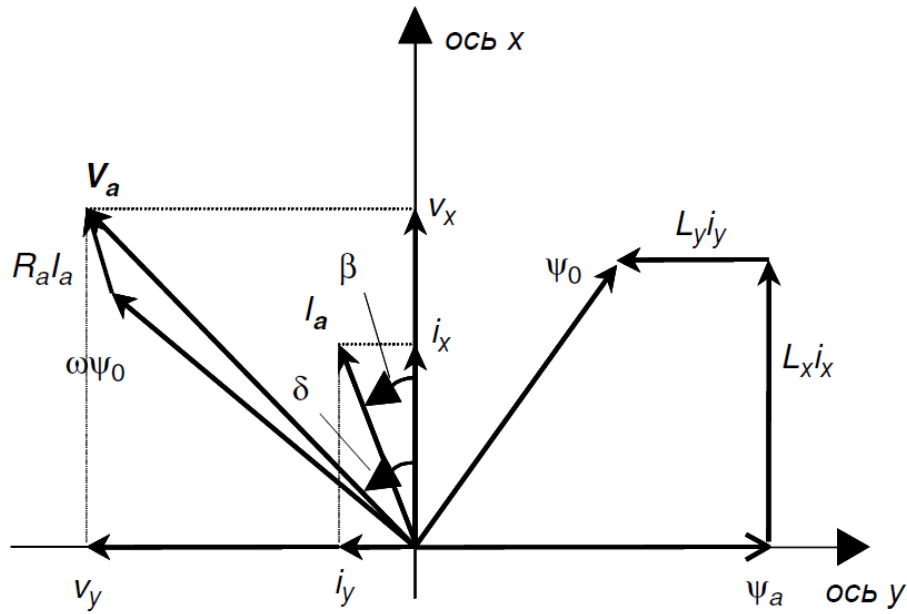


Рис. 2.

$$T = P_n \{ \psi_a i_q + (L_d - L_q) i_d i_q \}$$

$$= P_n \psi_a I_a \cos \beta + \frac{1}{2} (L_q - L_d) I_a^2 \sin 2\beta$$

$$V_a = \sqrt{(R_a i_d - \omega L_q i_q)^2 + (R_a i_q + \omega L_d i_d + \omega \psi_a)^2}$$

T				
ψ_a				$x-y$
V_a				
L_y		y		
L_x		x		
I_a				$-y$
i_y, i_x			$x- y$	
β		x		$x-y$
R_a				
P_n				
ω				

$x \ y$

$L_x - L_y$ $x \ y-$ $L_x \ L_y$ ψ_a

V_a

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BEZREDUKTORNY ENERGY SAVING THE SYNCHRONOUS ELECTRIC DRIVE WITH CONSTANTS MAGNETS FOR THE INDUSTRIAL EQUIPMENT

In article features of technologies of the bezreduktorny energy saving synchronous electric drive with permanent magnets for the industrial equipment are considered.

Keywords: the bezreduktorny energy saving synchronous electric drive, permanent magnets for the industrial equipment.

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$$m \frac{d^2 h}{d\tau^2} = \sum F \quad (1)$$

m -

$$\sum F = (F_{Д1} - F_{Д2}) + F_{PR} + F_{TR} + G, \quad (2)$$

$$(F_{Д1} - F_{Д2}) = f \cdot \Delta p \cdot \rho_P -$$

F_{PR} -

F_{TR} -

G -

$$M_{КЛ} = \alpha_{КЛ} f_{КЛ} \varepsilon_P \sqrt{2\rho_i \cdot (p_i - p)}, \quad (3)$$

$\alpha_{КЛ}, f_{КЛ}$ -

ρ_i, p_i -

p -

ρ -

h

h

h

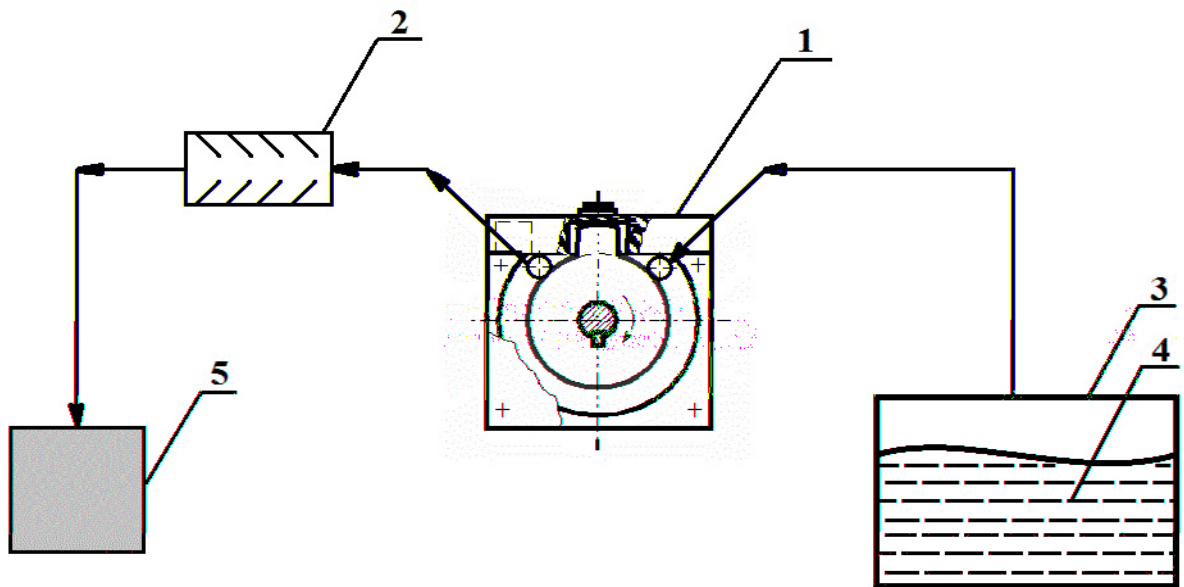


Рис.

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THE USE OF HYDRODIODE IN VOLUMETRIC PUMPS

The analysis of the application of hydrodiode for the place of the traditionally used valves in volume-displacement pumps is exemplified by the direct-rotor pump.

Keywords: hydrodiode, pump, valve, rectilinear rotary pump, volumetric pump.

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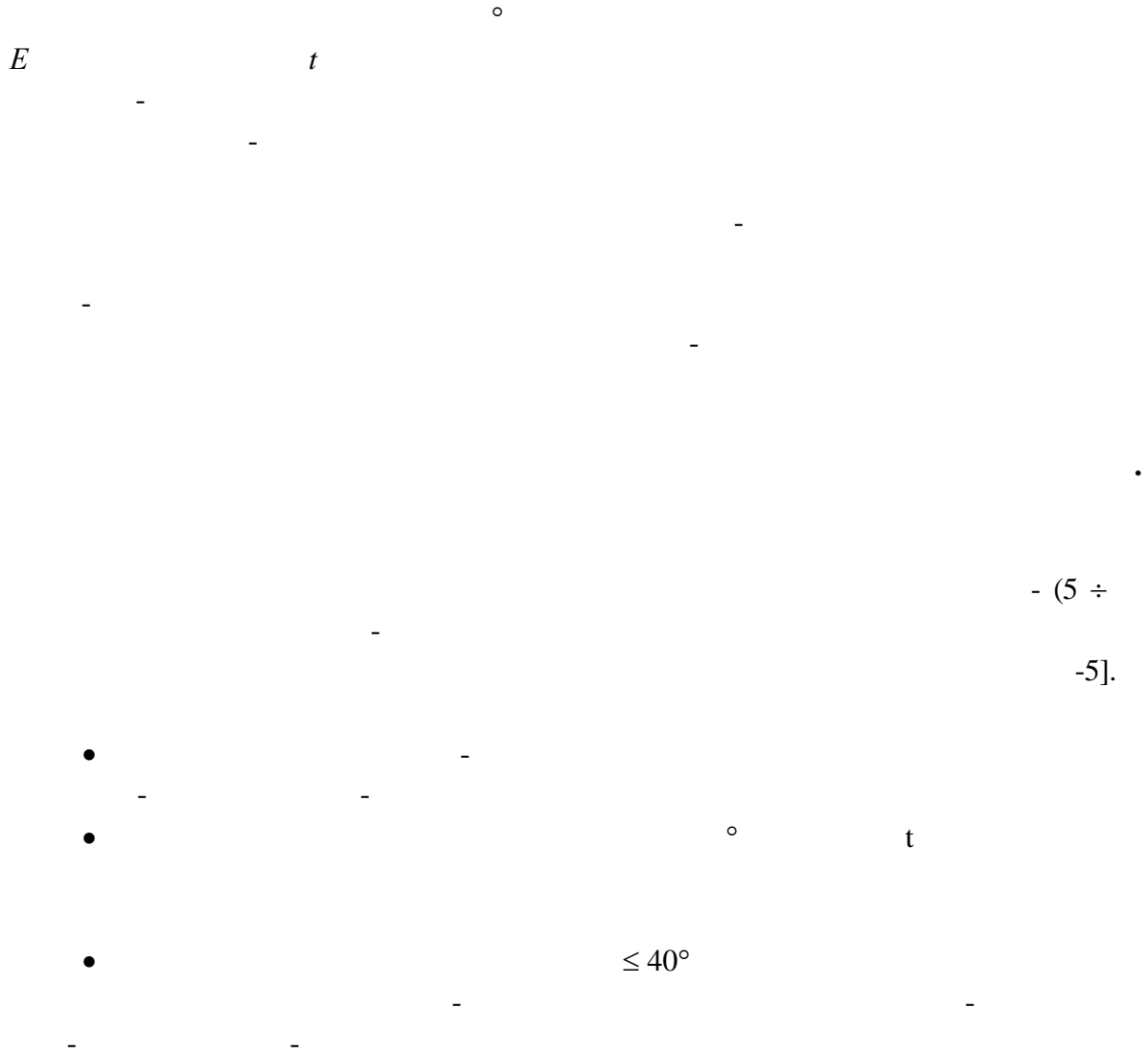
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$$\frac{D_{ox}}{q} \geq \frac{D_{si}}{q'}$$



Оценка величины объёмной концентрации подвижных ионных загрязнений в диэлектрике.

$N_{ion} \cdot 10^{-3}$

$$N_{ion} = 2.1 \cdot 10^{14} \cdot \frac{\Delta V_{fb}}{D_{ox}^2}$$

• V_{fb}

• $V_{fb_макс}$

$N_{ion_макс}$

• $V_{fbмакс}$

• $N_{ion_макс} = 1,3 \cdot 10^{16} \cdot 10^{-3};$

$N_{ion_макс} \cdot 1,2 \cdot 10^{16} \cdot 10^{-3}.$

- $N_{ion_макс} = 1,3 \cdot 10^{16} \cdot 10^{-3}.$

$N_{ion_макс_возм} = 5,0 \cdot 10^{16} \cdot 10^{-3}.$

$V_{fb_макс_возм}$

$N_{ion_макс_возм} = 5,0 \cdot 10^{16} \cdot 10^{-3}$

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THERMAL STABILITY OF P-MOS-TRANSISTORS CMOS IMS

The paper presents the investigations of the thermal field stability of dielectric layers of gate dielectric of the analyzed microcircuits was in the range from 7 to 80 nm. The boundary thickness of the gate dielectric is determined at which it is expedient to conduct thermal field tests.

Keywords: integrated circuit, thermo field testing, accelerated testing.

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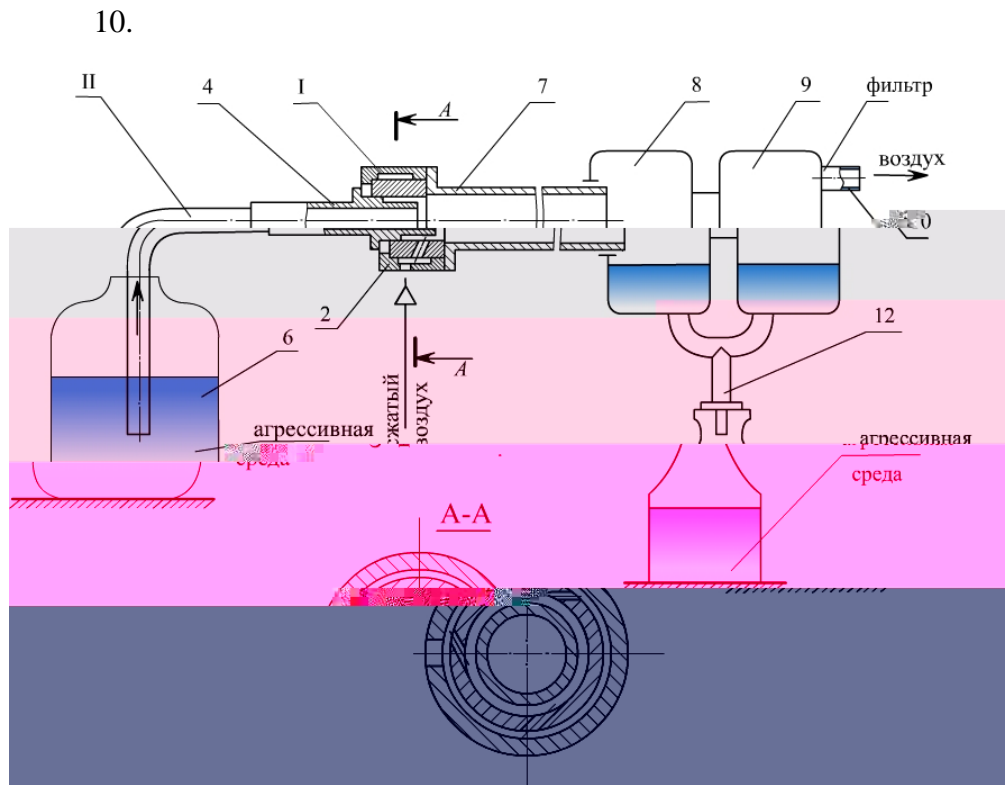


Рис.1.

D

- 1)
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d
 $d = 3,0 -$

$= 0,3 ÷$

d

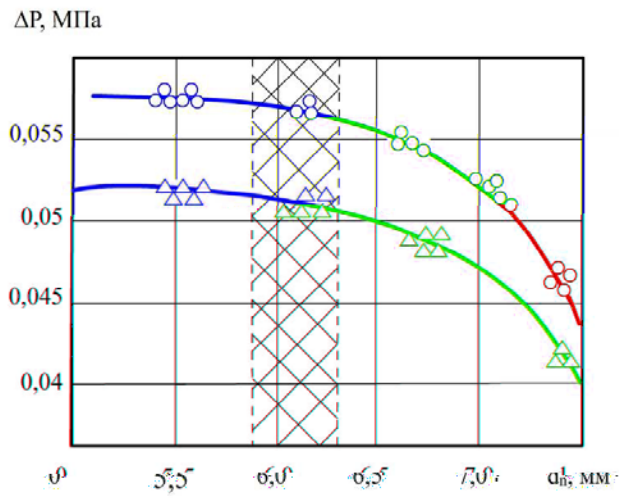


Рис. 2.

$D = 10$, $z = 1,0$.

- - $P = 0,5$;
- △ - $P = 0,4$.

P

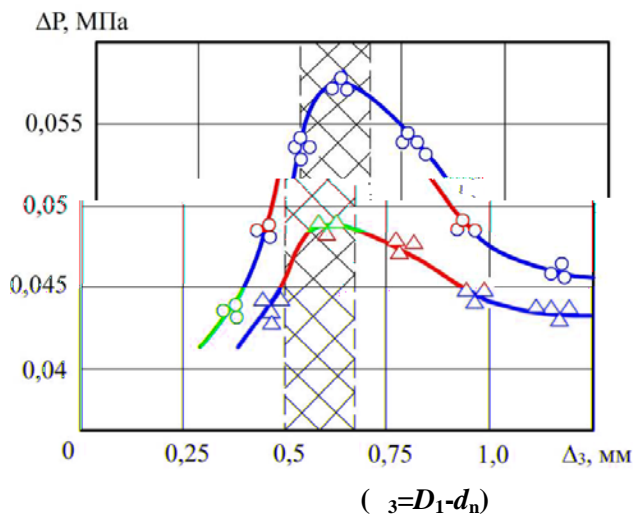


Рис. 3.

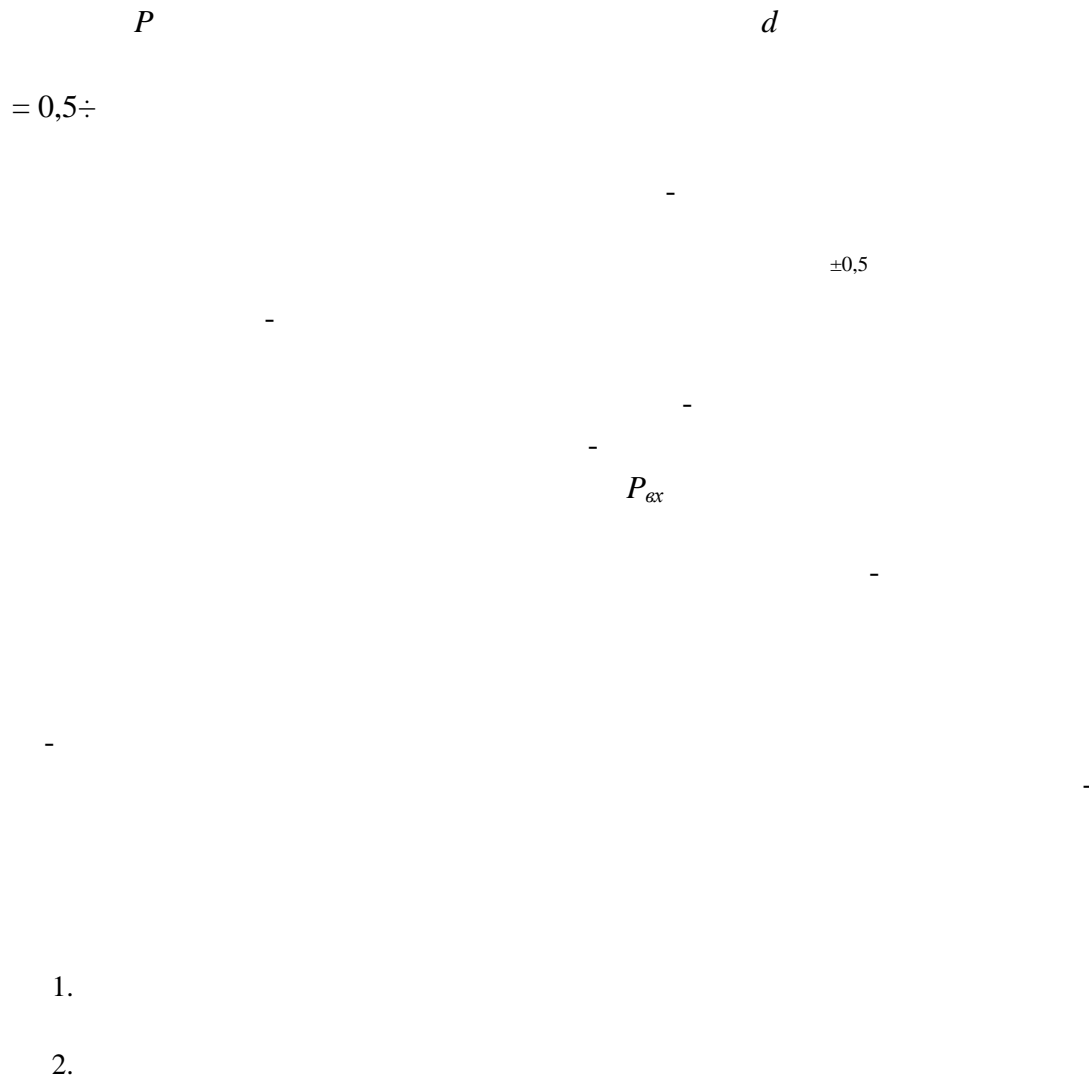
$(z = D_1 - d_n)$

- - $P = 0,45$;
- △ - $P = 0,30$.

D

$D = 12,0$

d



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AERODYNAMIC EFFECT FOR TRANSFER PROCESS AUTOMATION CHEMICAL AGGRESSIVE REAGENTS

The paper presents the results of an experimental study of a pneumovortical device used for automated pumping of aggressive.

Keywords: automatic device, pneumovortical effect, aerodynamic effect, automation of processes, vacuum pump, pumping, aggressive media.

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BRIEF HISTORY OF DEVELOPMENT OF VENTILATION OF MINING ENTERPRISES

This article provides a brief history of the development of ventilation of mining enterprises, in particular, mine aerology.

Keywords: mine, gas, air movement, speed of movement, mine aerology.

If we pursue a scientific sequence about the development of the ventilation of minerals mined by the underground method, then the issue of providing mountain workers with sufficiently pure air is in the first place. Naturally, with the deepening of mining operations, the temperature of the underground air, the dustiness of production, the gas contamination of the plots, the lack of clean high-quality air, and the health of miners increase.

All these problems put engineers and scientists in the solution of this issue. Obviously, the way to solve this problem was not easy. All the same, this question found its problem solution [1, 2, 3].

The founder of the ventilation of underground excavations, i.e. the creation of this branch as a science is the Great Russian scientist M.V. Lomonosov. It should be noted that mine aerology (ventilation, both underground and open) has passed a long way of development. On this path, she achieved great success. During this period, the work of AA. Skochinsky, A.N. Scherban, V.B. Komarova, V.N. Voronina, A.I. Ksenofontova, LN Bykova, FA Abramov, GD Kuznetsov, and others. Lidin, AF Voropaeva, AM Karpova, I. Pechuka, M.A. Ermekova, NF Graschenkov and other scientists, the foundations of the theory of air movement in the mine workings and the basis of mine thermodynamics were created; the aerodynamic resistance of mine workings has been investigated, the methods of their reduction and calculation have been developed: laid the foundations of mine gas dynamics; the laws of distribution, movement in the bowels of the earth and allocation to mining mines of mine gases have been studied, and methods for combating them have been developed; a scientific basis for the fight against mine dust and the release of methane (rattling gas - as it used to be called), a sudden release of this most dangerous gas. Looking ahead, we can give many examples of how much human life took very dangerous for miners, methane, but very useful for people's use.

In practice, mine aerology in its time was widely used: physical and analog modeling, the use of electrical analog machines, electronic digital computers, and special methods of mathematical analysis. At present, computer technology is widely used for these purposes.

The results achieved in the field of venation allow at the present time to sufficiently reasonably design the ventilation of mines and to efficiently ventilate them.

The Main Institute for the Creation of Safe Conditions in Coal Mines of Ukraine is the Makeyevka Scientific Research Institute for the Safety of Work in the Mining Industry. The institute has a number of research departments dealing with the issues of ventilation of mine workings.

A great scientific research work is carried out by DonUGI, NIIGD, DTI and DGMI.

Of the research and educational institutions of the former Soviet Union should be noted IGD them. A.A. Skochinskogo, Moscow and Leningrad Mining Institutes, VostNII, in Kazakhstan Karaganda Scientific Research Institute [4, 5].

In recent years, the mining industry in all countries of the world has undergone a radical reconstruction on the basis of its extensive technical re-equipment in the direction of comprehensive mechanization and automation of all production processes, the introduction of modern computer technology, automation and remote control of powerful high-performance fans.

Simultaneously with the increase in the size of the mine fields and the annual increase in mineral resources, an increase in the daily load on the cleaning face, an increase in the depth of modern shah, t, their gas content, the temperature of the rocks and the intensity of the dust formation naturally increase. In connection with this, ventilation of mines and air conditioning in underground workings is complicated and the value of mine ventilation sharply increases.

The life, health and productivity of workers engaged in production processes depend to a large extent on the atmospheric conditions in the mines and mines, i.e. from the state of their airing. Therefore, air ventilation takes and will occupy a very important place to ensure all production processes in the mines.

In connection with this, the study of the chemical composition and physicochemical properties of mine air, the sources of gas release into mining and methods of controlling them, the properties of mine dust and measures to reduce the dustiness of the mine atmosphere, the laws of air movement in the mines and their aerodynamic resistance, regulation and distribution air in the ventilation network of the mine is the main problem of modern ventilation. Questions related to the automation and design of mine ventilation are also considered.

The gasification of coal deposits is closely connected with the geology of their formation, therefore for knowledge of the occurring technological processes in mines it is necessary to have a certain level of knowledge in this area. It should be noted that in this field a significant scientific contribution was made by professors, Doctor of Technical Sciences. Red Banner Karaganda Polytechnic Institute (KNSTU) Magauiya Alimkhanovich Ermekov and Nikolai Fedorovich Grashenkov [4, 5]

The issue of airing is closely connected with the narrowly applied fields of science that are important for creating safe conditions for working out coal seams, for example, degassing coal seams, fighting coal, rock and gas emissions, explosive dust and self-igniting coal.

The provision of safe working conditions and the ventilation of mine workings are inextricably linked. Carrying out certain measures to create safe conditions is regulated in our country, the Rules of Industrial Safety in coal and shale mines and a number of manuals and instructions for individual documents [3, 5].

On the basis of these documents, modern safety equipment has been created and introduced into production, sanitary and hygienic conditions have been ensured, and the level of occupational injuries and occupational diseases has been significantly reduced.

1. Ventilation occupies and will occupy a critical place in production processes and mines;

4. A mining engineer should manage a modern mine, provide adequate atmospheric conditions for the work of miners, and quickly and correctly navigate in the constantly changing conditions in the mine.

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CALCULATION AND ANALYSIS OF SAFETY IN GASIFIED MINES AND MINES

This article contains research materials on safety in gasified mines and mines. Mathematical calculations on safety in gasified mines and mines have been carried out.

Keywords: mine, gas, air movement, speed of movement, safety engineering.

$$U = \frac{\Delta n}{t} \cdot a, \tag{2}$$

here:

n-spindle rotation frequency, 1/s;

a, - determines the numerical coefficient of each winding device (by means of identification by measuring air velocity). [3]

It is widely used in spindle winding device (ACO-3) and bypass wind turbine (AS-13). The spine can measure air velocity ACO-3 at 0.3-5 m / s. the spindles are influenced by the airflow and rotate them and begin to rotate the pawl of the individual lock. The counting mechanism is activated by a special mechanism (arreter). Air velocity is calculated in the following way and is determined by the following expression (3):

1. Until the air flow is started, the initial number n1 is taken from the counting mechanism;
2. Position the air in the air stream and set the start time t1;
3. After 100 seconds the counting mechanism should be stopped and the time elapsed should be set t2;
4. The second number from the cell is taken from n2;
5. The rotating frequency of the blades is determined by Δn

$$\Delta n = (n_2 - n_1)/(t_2 - t_1), \tag{3}$$

6. The average velocity of the air velocity corresponding to it is determined using the standardized n value for the calculated n. [4]

Note: To make the measured value (U) more accurate, repeat 3-4 times (by the chosen method). In the method chosen, the values of air flow rate are shown below (see Table 1).

Measured values

Number	n ₁	n ₂	Δn=n ₂ -n ₁	t _{ci}	n = $\frac{\Delta n}{t}$	U, /	S ₂	Q ₃
1	605	799	194	100	1,94	5,41	7,1	38,41
2	799	995	196	100	1,96	5,44	7,3	39,7
3	995	1284	289	150	1,93	5,39	6,9	37,2
4	1284	1584	300	150	2,00	5,5	7,2	39,6
5	1584	1881	297	150	1,98	5,47	7,3	39,93
6	1881	2275	394	200	1,97	5,45	7,1	38,73
7	2275	2677	402	200	2,01	5,52	7,2	39,7
8	2677	3075	398	200	1,99	5,49	7,0	38,39
9	-	-	-	-	-	U =5,45	S =7,13	Q =38,92

To measure the speed accurately, it is necessary to repeat the measurement several times (the measure we made in the set was 8 times). To minimize the number of errors in each dimension, the measurement time is 100, 150, and 200 seconds. In order to avoid erroneous census from the census (anemometer), the number at which the first criterion is made is the end of the second dimension and the beginning of the third dimension, and then the measurement proceeds in the same way. To determine the actual velocity of the air velocity, we use the equation given in the zonal instrument device, which is determined by the expression

$$U_i = 2,5 + 1,5 n, \text{ m/s}, \tag{4}$$

By choosing these values, we determine the velocity of the air. When measuring each dimension, the horizontal section of the mining workings is also measured. Regarding Table 1, the values of the region are also slightly different (from 1.8% to 2.3%).

The velocity of the air velocity can be measured by a different method.

Monitoring the composition of the shaft. The content of oxygen in the air is measured by the Shi-6 miner interferometer. The operation of this appliance is based on the change in the radiation

of the waves, when the air is transmitted through the special air, which is studied by the fresh air (with gas). Oxygen concentration can be measured from 5% to 21% by means of SH-6. There are also light and sound signals showing the value of the oxygen set. Because of the heat and cold exchange, the instantaneous cooling of the highly sensitive element at this phenomenon is given to the barrier block which indicates the amount of gas, which indicates that the amount of oxygen content decreases in small quantities. In addition, gas detecting device -6 is used to determine oxygen (O₂) concentration. The principle of operation of this appliance is based on the change in the type of color, depending on the detected gas in the reactor tube. The device (-6) contains gas suction (-5) and tube filled with chemicals that change color. When the air is pumped into the hose through the hose, the color is painted. The height of the painted columns in this tube shows the total (composition) of the measured gas (eg oxygen) ($\pm 5\%$ of the error value being sent). [5]

Checking the content of carbon dioxide in the mine can be monitored via shift interferometer SHI-3, SHI-5, SHI-7, SHI-8, SHI-10, SHI-11 and SHI-12. At the same time, the carbon dioxide concentration is determined by the GM-5 chemical gas detector.

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CADASTRAL WORKS IN CONNECTION WITH THE CLARIFICATION OF THE LOCATION OF BOUNDARIES OF LAND PLOTS

The article deals with the problem of specifying the location of land boundaries. A brief description of the concept and the course of cadastral works to clarify the boundaries of land plots. Also, the concept of boundary plan and the information contained in it about the land plot is disclosed.

Keywords: cadastral works, cadastral engineer, boundary plan, the act of coordination

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THE LEGAL FRAMEWORK FOR THE EXECUTION OF CADASTRAL WORKS IN CONNECTION WITH THE CLARIFICATION OF LAND BOUNDARIES

The article deals with the cadastral work in connection with the specification of land boundaries. The legal and regulatory framework for the regulation of this issue is analyzed. The basic concepts and definitions are revealed, the norms and articles regulating the issues of this type of cadastral works are given.

Keywords: clarification of boundaries of land, cadastral work, land tenure, cadastral relations, state cadastre of real estate, the landmark plan.

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CADASTRAL WORKS IN CONNECTION WITH THE CLARIFICATION OF LAND BOUNDARIES

The article describes the concept of land boundaries refinement. The list of cadastral works to clarify the boundaries, as well as the importance and significance of this type of work. The content of the boundary plan to clarify the boundaries.

Keywords: cadastral works, specification of land boundaries, cadastral engineer, boundary plan for specification of boundaries.

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THE PROBLEM OF DOPING IN MODERN SPORTS

In this article, the concept of dope, types of dope and dope methods are disclosed. Measures are being considered to combat the use of doping in sport in the Russian Federation and foreign countries.

Keywords: dope, dope methods, World Anti-Doping Agency.

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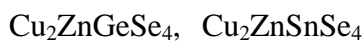
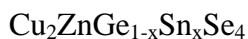
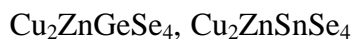
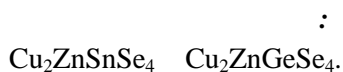
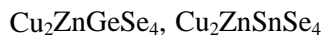
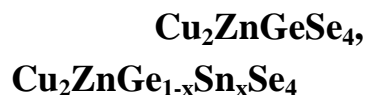
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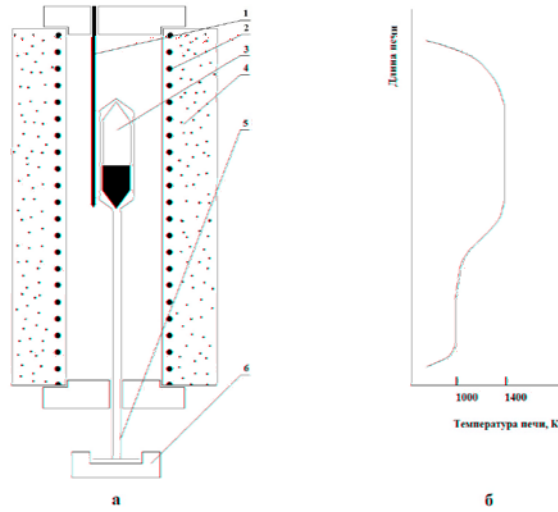
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Рис. 1.

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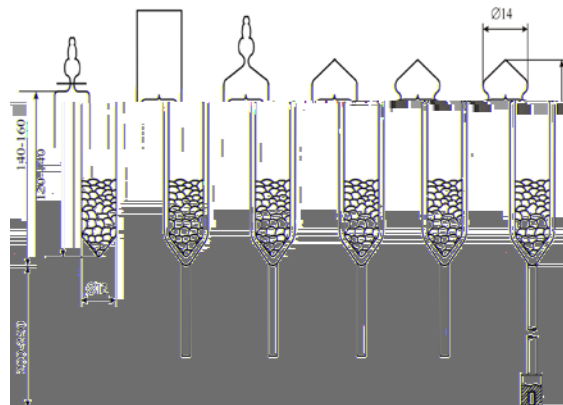


Рис. 2.

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GROWING CRYSTALS OF COMPOUNDS Cu₂ZnGeSe₄, Cu₂ZnSnSe₄ AND SOLID SOLUTIONS Cu₂ZnGe_{1-x}Sn_xSe₄ BY VERTICAL BRYJMAN METHOD

The paper presents studies on the growth of bulk crystals of Cu₂ZnGeSe₄, Cu₂ZnSnSe₄ and solid solutions Cu₂ZnGe_{1-x}Sn_xSe₄ by directional crystallization of the melt in a vertical single-zone furnace (vertical Bridgman method).

Keywords: thin-film solar energy converters, Cu₂ZnGeSe₄ and Cu₂ZnSnSe₄ compounds.

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Research supervisor
S.V. Darzhinova

MANIPULATION PHENOMENON

In this article the manipulation phenomenon in social psychology, and also ways of manipulation of the person is considered.

Keywords: Manipulation, manipulator, subject to manipulation, manipulator target, manipulative influences.

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