

Preamble

Both abroad and we often express dissatisfaction with the science of the mainstream, in other words, academic science. Its understanding of the micro- and macro-world is incredible, on the one hand. And on the other hand, the grounds for such an understanding are ephemeral and unreliable.

Nevertheless, within the framework of academic science, a new understanding of the world around us is based on facts. It is presented in this paper.

I sent this paper in the beginning of October 2017 to “Herald of the Russian Academy of Sciences”, believing that a new understanding in science would be a trump card in its rehabilitation for society. But I was wrong, my paper was rejected. The arguments of the editorial staff are attached at the end. The reader, having read the paper, has an opportunity to look at the materials presented in it from the other side, i.e. from the side of the old understanding.

How to read the paper? It contains brief provisions, many of which are extracted from my large works. Therefore, each of them has a reliable justification. Here nothing is said for nothing and in vain. Here everything is on the case. If anyone doubts something, let him check and, I am sure, will make sure that this is also true.

As I have already mentioned, here thoughts are expressed in a concentrated form, i.e. in the form of a concentrate, as a concentrate of hydrochloric acid. In strongly diluted form it promotes digestion, and in concentrated it burns through and through. Therefore, the first time should be read without haste. You need to think: maybe something is wrong here and not that? After getting acquainted with the future, you may need to return to the old: is there any contradiction here?

This paper is not to take your time due to reading. Here for properly spent time a person will gain knowledge.

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NEW INSIGHT IN ACADEMIC SCIENCE

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Abstract. *Selections of the author's works in the different science directions, which reflect the relevant sides of the world around are presented. The review is focused on the world and its understanding. The disadvantages of a contemporary scientific picture of the world are presented. The electromagnetic and gravitational interactions are considered from the position of the non-hypotheses approach. The other sides of the world. The paper is of interest to high readership.*
Keywords: *the world around, criteria and methodology of knowledge, electromagnetic and gravitational interactions, problems of society.*

Introduction

In contemporary academic science, both in foreign, and in domestic, or, in another way, in the science of the Mainstream, a system of views has been formed. It is self-sustaining due to the established practice of publishing scientific works. For publication, the work is reviewed by the participants of the Mainstream and is approved when it conforms to the current system of their views. Authors of published works receive grants, prestigious awards and honour. This activity is considered successful and scientific research of academic institutes and universities is directed on it.

However, there are many scientists and other literate and inquisitive people who see the shortcomings of this system of views, and sometimes glaring contradictions and absurdities. Among them I am also. This year marks the 50th anniversary of my work in academic science. There were years when I worked in design bureaus or in applied research institutes, but my research in fundamental science was not interrupted.

The present work was carried out due to the appeal to me of the Russian Literary Center to take part in the contest "Great Ideas". It was required to present the material in three directions: statements, quotations and fragments. I made extractions from my works in these areas. When I systematized it, I saw that it represents a set of views in which there are no shortcomings in the system of views of mainstream science. Scientists of academic institutes expressed their agreement with many of my conclusions. In turn, I saw in the views of other scientists the same understanding to which I myself came. Therefore, the understanding of the surrounding world presented in this work is his new understanding, which is born and is present in academic science along with the mainstream understanding.

All the extractions from my works are sequentially numbered and end with a reference to the source at the end. They are summarized in 10 sections. The title of the sections denotes only the problem to which the samples are assigned. Many of the problems are so vast that they are not exhausted by the available material.

2. The world around and its perception

1. Everything consists of two: the world around him and his understanding [11, p. 8].

2. *The idea of the world and the real world.* Let us turn to Homer. Here Achilles throws a spear at the Trojan Aeneas, the son of Anchises, who, piercing the periphery of the shield, pierces the ground. Achilles exclaims with surprise:

"Gods, I see a great miracle with my eyes:

Spear lies before me on the ground; but I do not see a man,

Against whom I abandoned, whom I wished to overthrow!

It is true, and this Anhiside is kind for deities Olympic!"

The reason for saving from the inevitable in the opinion of Achilles the death of Aeneas he sees in the action of the gods. This is not a metaphor or literary reception of Homer. Reading the ancient authors, we see that the gods are invisibly present among people, control the winds and rain, give light to the Sun and Moon, direct people and control their actions. Now we consider these representations to be naive. We know what the air and its composition are, under what effect it takes on speed and becomes a wind or even a formidable hurricane. Our knowledge is so reliable that we, without hesitation, consider the representations of the ancients to be erroneous about the world.

In this connection, questions arise. And our ideas about the world are true? Which of them our descendants will not be rejected, considering naive? Are there any of our ideas that will never be discarded? Can we identify our misconceptions? If we can, then let's identify them and discard them, and we will not bring ourselves to shame before future generations.

Around us is the world around us: the sky, the stars, the trees, our house, the objects in it, and so forth. These objects of the surrounding world change and affect each other. We study them, we find ourselves explaining the reasons for changing the objects and thus creating an understanding of the world. If, in ancient times, the forces of gods or demons attracted the explanation of the world, now we explain it with the help of forces, fields, ether, energy, space-time, and the like. As we see, the explanation and understanding of the world is constantly changing, and the world, in essence, remains unchanged [16, p. 277].

3. Criteria of knowledge of the world around us

3. What is truth? The truth is that, guided by what, we achieve what we aspired to. June 1, 1992.

4. What is the action (or influence)? Under the action of one object on another we will understand the ability of the first object to set in motion the second or to change its movement. Change the movement of the body – this means to change its velocity either in magnitude or in direction, i.e. to give him acceleration [11, p. 36].

5. It should be noted that the "field" is a mathematical term introduced to indicate the dependence of the function on the coordinates. In nature, there is no field, it was invented by people. In nature, there is an action of some objects on others. To explain this effect and to visualize it, the concept of a field was introduced [13, p. 40].

6. Everything consists of two: the world around and its description.

The world around us is a part of everything that does not depend on the reasoning of a person.

Description of the surrounding world is understanding, interpretation of the surrounding world, i.e. representation about it.

Knowledge is an understanding of the world around us, which will not undergo significant changes with time.

Truth is knowledge, in the use of which the results of a person's actions correspond to his intentions.

In the form of truth, we usually take some fundamental part of knowledge, which plays an important role always or at a certain moment.

Science is the field of human activity, aimed at gaining new knowledge about the world around us.

Theory is a description of the properties of the objects of the surrounding world, the methods of human activity and their results.

Time - characterizes the variability of objects and is determined as a result of comparing changes in objects with the change of the reference (standard) body (object).

The time of existence, the time of life, the duration of a phenomenon or an object is the number of cycles of a standard change equivalent to a change in the object or phenomenon under consideration.

The time in the object change is the binding of a certain stage of its change to a certain stage or cycle of the reference change.

The time interval between two different stages of the object's change is the number of cycles of the standard change that occurred between these stages.

Mathematical time is the result of comparing changes in objects with a stable cyclic change in the imaginary standard.

Mathematical time is used in the theoretical description of the surrounding world.

The size (or value) of the object (body) is the result of comparison when the standard is applied to the object; is expressed by the number of standards or the number of parts of the standard that can be applied to the object.

The size of the object is determined in three mutually perpendicular directions, which, as they decrease, are called: length, width and thickness.

The name of the object size can be linked to the vertical: height (depth); to the horizontal: width (thickness); to the sides of the world: latitude, longitude, etc.

The size of the gap between objects is the result of comparison by placing standards between objects; expressed by the number of standards or their shares.

The sizes between the objects are arranged in three mutually perpendicular directions.

The sizes of the intervals are called distances.

Space is the totality of objects and gaps between them.

This physical definition of space should be distinguished from the word "space" used in mathematics, poetry, fantasy and other areas of human activity [11, pp. 240-241].

4. Methods of knowing of the world around us

7. A non-hypothetical approach is to study the phenomenon, measure its properties and establish the dependencies between them. All this is done to understand the circumstances under which the phenomenon occurs. Then, on the basis of the obtained dependences, a description is created, which can be called the theory of the phenomenon. The theory allows predicting the phenomenon or using it for the benefit of man [13, p. 7].

8. All our knowledge of the world is built on a set of words (concepts). Some of them are names of objects of the surrounding world, others are names of mental images created by man to describe the surrounding world ... Apparently, language and knowledge about the world were created in the process of human development, and therefore the two kinds of concepts did not clearly differ. Often thought images and even objects of human imagination were perceived as objects existing outside the person of the world.

The concepts of space and time are indicative in this respect. I. Newton formulated them as absolute and unchanging to describe the phenomena of the surrounding world, implying that for all considerations he will use the same rectilinear space and uniform time ... Next generations the Newtonian notions of space and time were transformed into names of some categories of the world, thanks to which he exists. The theory of relativity rejected absolute space-time and introduced a new amorphous concept of four-dimensional space-time. But as I. Newton did not consider that absolute space and time are some essences of the surrounding world, so the relativistic picture of the world is his representation (very illogical), but not by the world itself (note: relativistic – based on the theory of relativity).

Thus, the difference between the real and the unreal must be carried out at the stage of the formation of words and concepts. And if a person realizes that one type of words is necessary to denote (to name) the surrounding world and another type of words – a description (perception, explanation, representation) of it, then the problem of reality will cease to exist.

We give some examples.

1) is the mass a measure of the amount of matter?

And what is mass?

The mass of the body (see [13], sect. 1.2, 4.2) is the number of standard bodies that, under the action characterized by some acceleration, stretch the spring by the same amount as the body when subjected to the same acceleration.

And what is matter?

Matter is a common name for all objects of the surrounding world (a tree is a common name for oak, pine, cherry, etc.; nonmetal is the general name of wood, plastic, sand, etc.; substance is the general name of metal, nonmetal, liquid, gas, etc., until a complete generalization of the surrounding world by the word "matter").

Answer: Matter cannot have quantity.

2) Is there a god in the world?

And what is god?

God is a mythical being that controls the surrounding world.

The answer is: there is no god (see the definition).

3) Does the ether carry the light?

And what is ether?

Ether is ...?

Answer: the question is incorrectly posed.

It is clear from the examples given that with a clear definition of concepts, the problem of reality does not arise. It is only necessary to apply the concepts in accordance with their definition ... As it is impossible to include an electric bulb for 3.5 V in a network with a voltage of 220 V, so the concept cannot be applied in circumstances that differ from those determined by the most insignificant item. The consequences in the second case are more serious than in the first [13, pp. 254-256].

9. The recognition of the two kinds of concepts is necessary for the transition to a no-hypothesis study of nature. Now the highest achievement of scientific activity is the creation of a theory. They say that hypotheses are accepted, a model of the phenomenon is constructed, and a theory has developed. This creates a picture of the world. Since such a conception of the world is based on speculation, in the process of further study of the phenomena of nature it comes into conflict with the facts, and then it is inevitably discarded. The task is to gain knowledge about a world that remains unchanged at all times, such as Newton's law of gravity, Coulomb's law, Faraday's law of induction, Newton's laws of mechanics, etc. These laws allow describing, calculating and predicting natural phenomena. Their analysis shows that some of them are completely conditioned by the methodical approach, for example, the laws of Newtonian mechanics (see [13], sect. 1.2, 4.2), and other laws appear as a result of measuring the properties of nature. If we squeeze all the model mechanisms of interactions in the existing methodical description, then the essence of the hypothetical approach will look like this.

Of all the diversity of interacting bodies, pairs of bodies are distinguished, interactions between which are characteristic for many, for example, the interaction of the Earth and the Moon or electrified objects with each other. Interactions between reference bodies (for example, between a platinum cylinder (kilogram) and the Earth) are introduced for each type of interaction. Therefore, the description of the interaction of this type between other bodies is to determine the number of equivalent reference interactions. Further, in the reference interaction, the force values are measured for different distances between the bodies, and in the case of a dependence on the velocity, and for different relative velocities. Thus, the obtained dependences will allow correctly calculate the effects and predict their results. In this way, by introducing standards (remembering the standards of length, mass, time, heat capacity, strength of light) of certain properties and comparing the properties of other bodies with respect to them, we get a true knowledge of the world. Of course, the fragmentarily hypothetical approach presented here can not be expressed in the form of clear rules or axioms. But this is the way that, undoubtedly, it is necessary to go [13, pp. 256-257].

10. With the proper use of statistical methods, you can justify everything, as well as everything you can refute. [7, in the html format, p. 10].

11. It is often said that without use of hypotheses, it is impossible to know the surrounding world. At the same time, it is believed that the guesses and assumptions made at first are checked, and not those that are confirmed are discarded. There remain those that are consistent with the observed phenomena.

An analysis of the work of the human brain and the process of thinking shows that this is self-deception. The temptation to succumb to the influence of a bright hypothesis arises in a person in the case when all the circumstances of the case are not clarified. You can follow the hypothesis right away, and it may take years to figure out the circumstances. But an experienced specialist will not allow himself to be carried away by a hypothesis. He will continue the difficult and hard work on the study of the object, its properties, the influence on them of other objects and circumstances. As a result, he will achieve such an understanding of the features of the object that he can foresee and describe behavior of the object without attracting hypotheses. [11, p. 24].

12. During my life I solved many mathematical problems ... when, in the declining years, I heard that they talk about me as a strong mathematician, I began to realize that the tasks solved by me, probably no one else would have decided.

The fact is that in all problems I applied simple elementary actions. And it seemed to me that anyone familiar with elementary and higher mathematics can accomplish these actions and solve the problem. It turned out that this is not so. Even the tasks I have solved can not be learned and used by person in his work. The whole reason is that I'm using not modern mathematics, but another. In order to show how other mathematics differs from modern mathematics, it is necessary to consider concrete examples of solved problems [3, p. 10].

13. In a letter to Chan Rasjid [9] I wrote that I was creating a new physics, without the theory of relativity. To create a new physics, modern mechanics and modern mathematics are not suitable. Mechanics are spoiled by the abstract methods of Lagrange and Hamilton, and mathematics by curvilinear geometry and set theory [3, p. 18].

14. Apparently, I returned to the methods of the 19th century and developed them further. Modern mechanics and mathematics developed in the 20th century under the influence of the theory of relativity. And this development did not benefit the science [3, p. 18].

5. Disadvantages of the modern scientific picture of the world

15. The modern scientific picture of the micro- and macro-world is false. Many of its objects are imaginary and do not really exist. Since the beginning of the 20th century, science has established a method of describing the surrounding world based on hypotheses that are put forward in order to achieve an understanding of the world. Based on hypotheses, a theory is created that describes and explains the phenomenon. Then this fictional explanation is perceived as the actual arrangement of the world [13, p. 4].

16. As a result, the modern scientific picture of the micro- and macro-world is built on a set of consistent assumptions. On the one hand, it moves ever further and further away from reality, and on the other hand, because of the contradiction of hypotheses to each other, the minds of scientists professing them are confused. They are not able to get out of this imaginary world. This is on the one hand. And on the other hand, they themselves do not understand imaginary world [13, p. 4].

17. Over the past two centuries, mechanics and mathematics have developed an irresistible urge to generalize results, methods, and their abstracting. When teaching new generations, the genesis of concepts is often omitted. Therefore, many modern physicists have the notion that it is the notions of the very last level of abstraction that are the real parties of the surrounding world, and the measured quantities are the consequences of these concepts [13, p. 46].

18. Their (modern physicists) thought process occurs only in the sphere of abstraction of the highest level. Hence the logically created theories in these concepts are considered only in that space, many of which can not come out of it.

Only those, who realize that nature is primary and secondary are our ways of describing it, are able to get out of the vicious methodological circle [13, p. 47].

19. I want to put forward the ultimate thesis: contemporary science is defective and false ...

Why is contemporary science defective and false? Because it created an unreal and fantastic picture of the micro and macro world, does not interfere with antisocial and anti-human tendencies in the modern world and thereby contributes to the degradation of mankind [7, p. 8].

20. The theory of relativity has created in science a set of false goals. This is the search for gravitational waves, and manipulation of the "black hole" and various models of the universe, and a number of theories in the physics of the micro-world, over which many scientists work. It was proclaimed that common sense ... can not be a criterion of truth. The violation of common sense and logic in the paradoxes of the theory of relativity (TR) is perceived by many as an integral feature of modern theories [13, p. 45].

21. The false hypothesis of the dependence of mass on velocity led to false constructions in the micro-world. One of such constructions is neutrino ... now neutrino is introduced into all nuclear reactions. All their energy balances have been experimentally measured. The experimental values are increased by the fictitious neutrino energy by theorists, and immediately they are reduced by this amount, due to the fact that all neutrinos fly away unhindered [13, pp. 8-9].

22. Relativists (supporters of TR) assert that the TR is confirmed by experimental facts and observations. However, it is not. Moreover, the conclusions of the TR contradict the practice. After all, the so-called paradoxes of the theory of relativity are its conclusions, which contradict the practice and all practical activities of people. The same phenomena that are calculated with the use of TR, as many scientists had shown and are showing, can be calculated without it [13, pp. 220-221].

23. The theory of relativity has had a profound impact on our world view, worldview and the basics of knowledge. In repeated discussions with supporters of TR, it was possible to hear more than once that the relativistic law of addition of velocities is perfect, and the simple summation of velocities in classical mechanics is approximate and valid for low velocities. When we showed that the classical addition of velocities is identical to the arithmetic action $2 + 2 = 4$, and the relativistic equivalent is $2 + 2 = 5$, we were answered approximately this way. Both the first law of addition and the second are hypothetical, but the relativistic law of addition of velocities is confirmed experimentally, so it is correct [11, p. 10].

24. Contemporary science holds and lives on the greatest sensations. The last sensation was the discovery of gravitational waves. The previous sensation was about the discovery of bosons, particles of God, on a supercollider in Switzerland. At this collider, according to its creators, the Big Bang is modeled, as a result of which the universe arose. Before that, there was a sensation about a possible collision of the asteroid Apophis with the Earth [7, p. 9].

25. *An example of the latest sensation and its elementary checks.* In the paper, Abbott B.P. (Abbott B.P.) and 1100 of its co-authors describe the results of observing gravitational waves from the fusion of a double Black hole. This is the so-called LIGO experiment, where LIGO is the abbreviation for the name of the observatory (Laser Interferometer Gravitational-Wave Observatory) for the detection of gravitational waves by laser interferometer.

September 14, 2015 at 9:50 and 45 seconds in devices recorded a pulse with several oscillations, which lasted about 0.15 seconds ... the fusion of black holes created acceleration of the test body 10^{-21} cm/sec².

The first point. The reader can imagine that the equipment of the LIGO experiment should register the displacement of the test body $1.1 \cdot 10^{-23}$ cm. The diameter of the hydrogen atom is $0.529 \cdot 10^{-8}$ cm. Therefore, it can be said that in the LIGO experiment an apparatus was created that allows measuring the lengths, constituting $2 \cdot 10^{-15}$ part of the atom.

The second point. The collision and the merging of black holes occurred at a distance from us of 410 megaparsecs with an accuracy of -180 megaparsec to +160 megaparsec. Let's transform this distance in the light years (l.y.): the fusion occurred at a distance of 1.34 billion l.y., which is determined to within -0.59 billion l.y. up to +0.52 billion l.y.

Since gravitational waves propagate at the speed of light, the fusion of black holes could occur 590 million years ago or occur 520 million years in the future.

The third point. The collision of objects of size D with their velocity v occurs in a time $t = D/v$. The impulse from their collisions will have approximately the same duration t . For example, a collision of 2 bullets will occur after $t = 60$ microseconds, and two ocean liners for $t = 0.5$ minutes. Such will also be the duration of the pulses during their collision. Consider the collision time of two galaxies, at the center of which the black holes under consideration are assumed. The standard

diameter of the galaxies is $D = 10^5$ l.y., and the velocity is $v = 1000$ km/sec. We will take into account that 1 light-year is equal to $9.461 \cdot 10^{12}$ km. Then the collision time $t = 30$ million years.

So, the pulse duration at the relative velocity of the galaxy 1000 km/sec will be $t = 30$ million years, and not $t = 0.15$ sec, as recorded in the LIGO experiment ...

Suppose that LIGO-scientists are right: they caught a collision of black holes. Let us determine their velocity at the collision $v = D/t = 21000$ billion· c , where c is the speed of light.

That is, in the LIGO experiment, galaxies made motion with velocities exceeding the speed of light by twenty-one thousands billion times.

The theory of relativity is based on the fact that the body can not exceed the speed of light. The publication of the LIGO experiment is timed to coincide with the 100th anniversary of the general theory of relativity, allegedly confirming it.

As you can see, the LIGO experiment disproved the theory of relativity. Therefore, based on this "discovery of the century" of mainstream science, once again I can say: the theory of relativity and the entire modern physical picture of the micro- and macro-world must be thrown away and forgotten! [7, pp. 9-10].

26. A researcher from Australia, Stefan Crothers, for 10-15 years in numerous papers based on four-dimensional curvilinear geometry shows that the expanding universe, the Big Bang, gravitational waves and Black holes are impossible. The general theory of relativity is constructed on this geometry. Stefan Crothers visually and wittily expounds these results in his lectures, and in support of their audience respond to him with stormy applause. For all these years there has not been a single relativist, who at least somehow protested his arguments.

Why? Because no one in the world of establishment science understands both special and general theory of relativity. Nevertheless, at the general meeting of the Russian Academy of Sciences on March 22-23, 2016, words on the gravitational-wave sensation sounded as an age-old scientific discovery and announced the intention to create a domestic collider for the reproduction of the Big Bang [7, p. 10].

27. In these refutations [7] I, I confess, use references to my papers and papers of other authors in little-known publications. This is clearly my fault: almost 50 years all the well-known journals reject my papers on this topic. However, the guilt of other opponents of the theory of relativity is even greater: their papers have been rejected by all known journals for 100 years [7, in the html format, p. 10].

6. Electromagnetic interactions and the Special theory of relativity

28. I found an expression for force. It follows from this that at zero bodies' velocity the force is determined by the Coulomb law. With increasing speed, the magnitude of the force decreases, and at a speed equal to the speed of light, the force is zero. Thus, not mass, space and time change with the motion of the body, but only the force of its electromagnetic interaction with other bodies changes. [13, p. 8].

29. Light and radio waves are the electromagnetic influence of one body on another. The properties of the propagation velocity of the interaction are determined by the above-mentioned laws of electromagnetism. They differ from the properties of the velocity of bodies. The lack of understanding of many optical experiments on the propagation of light between moving bodies is due to these differences. [13, p. 9].

30. The theory of relativity embraces a significant field of science: physics, philosophy, mathematics and methodology, in which its numerous predecessors, creators and followers have established so many relationships that it has become impenetrable to logical analysis [13, p. 35].

31. If we assume that in the case of rest and in the case of motion the interaction should be described by the same expressions, then parameters should be expressed at rest in terms of parameters during motion. By itself, this method is permissible, if we understand its conditional

nature. But in TR, it is absolutized, and it is customary to assume that this actually changes the distance, time and other parameters in the transition from rest to motion [13, p. 41].

32. At the end of the XIX century it became clear that the interaction of charged bodies depends on their motion. G.A. Lorentz put forward a hypothesis according to which the bodies change their sizes during the movement, which leads to a change in the force of interaction. This was justified by the ideas about the ether. Particles of matter, supposedly consisting of ether, while moving in it, can change in size. However, the interaction of two bodies did not depend on any absolute speed, but depend on the velocity of their movement in relation to each other. A. Einstein had to modify the hypothesis of G.A. Lorentz, and as a result, a description was made of the interactions of moving bodies in the form of interactions of motionless bodies, the parameters of which (space, time and mass) vary according to the Lorentz transformations. This is the first line of development of electrodynamics on which modern physics is built. The second line was based on the final propagation velocity of the interaction. As a result, the interaction of two bodies moving relative to one another is not equal to the interaction of fixed bodies at the same distances between them. It is believed that the fields expressing this effect are late. If the fields describing the interaction of fixed bodies are shifted to the time interval necessary for the propagation of the interaction between the bodies, they will express interaction with respect to moving bodies. Oliver Heaviside obtained expressions for field strengths in the electromagnetic interaction of bodies and extended them to gravitational interactions. This line was continued by O.D. Jefimenko. The method of retarded fields can completely replace the Special and General Theories of Relativity (SRT and GRT). Unlike the first two methods, we developed a method that completely is within the framework of mechanics. As a result of the analysis of the development of electromagnetism, we came to the conclusion that the force of interaction of electrified or magnetized bodies moving relative to each other depends not only on the distance between them, but also on their relative velocity. We derived an expression for the force, based on the experimental laws of electromagnetism. We have extended this method to different cases. A number of new problems have been solved, new results have been obtained, which show that our world is not quite as it should have been from physics based on TR. This method is ready for use and this book is devoted to its description [11 , pp. 9-10].

33. Conclusions.

- A. Light is the electromagnetic influence of the source on the receiver.
- B. The electromagnetic influence of one body on another depends on the velocity of their relative motion. This influence does not depend on the velocity of the receiver or source from any imaginary environment.
- C. There is no any luminiferous medium (ether, field, medium of physical vacuum, etc.), the movement of the source or receiver in relation to which would change the source's influence on the receiver.
- D. The change in the frequency of light and its direction when the source moves relative to the receiver is completely determined by the laws of electromagnetism [17, p. 1607].

34. The essence of the principle of relativity is that there should be no change from uniform and rectilinear movement. A classic example of this principle is usually the cabin of the vessel or the compartment of the train moving at a constant velocity. If the windows are closed, if they are sealed, if they are provided with an impenetrable screen for electromagnetic waves and for electrical interaction, then one can agree with such a formulation of the principle of relativity that no known experiments can be determined whether the cabin is moving or at rest. But when the objects surrounding the train are visible through the windows, when an air stream passes through the compartment, when the light of some source or radio wave is received in the cabin, when there are charges or currents in the compartment that can interact with charges or currents on the ground, then

for each of these phenomena it is possible to determine not only the motion of the observer, but also its velocity and its direction [13 , pp. 74-75].

35. The essence of the obstacle is the following. In nature, there is an objective influence of bodies on each other. Electromagnetic interactions depend not only on the distance between bodies, but also on their relative velocity. The description of the interactions in the TR is constructed in such a way that the equations for the interactions of bodies that are fixed relative to each other and the equations for the interactions with respect to moving bodies are the same. Therefore, in order to satisfy empirical data, it is necessary to transform parameters at rest to parameters when moving along known relativistic transformations.

If the interactions between moving bodies are described as they are, that is, depending on the velocity of their relative motion, then the transformations of space, time and mass are not needed. This is, in the first place.

Secondly, the creators of the TR, carried away by the ether, were themselves deceived, assuming that they are building not a description of interactions, but creating a world in which the material bodies are subject to changes in accordance with relativistic relations. And since relativistic transformations at a superluminal velocity became imaginary, then superluminal motions were banned in the TR [11, p. 245].

36. The theory of relativity was based on two erroneous positions:

- a) the action of one moving material system on another does not depend on the velocity of their relative motion, and therefore for any velocity the equations are written identically;
- b) the relative velocity of movement of objects can not be greater than the speed of light.

With the help of classical mechanics, electrodynamics and mathematics, equations were transformed and the theory of relativity was designed to satisfy these two propositions. Further, the theory of relativity developed with the help of its apparatus, and in its consequences came to denial of the initial propositions, as well as to various types of paradoxes. Since paradoxes could not be eliminated within the framework of the theory of relativity itself, and its method allowed many phenomena to be described, the view was gradually established that existing knowledge of people about things and relations in nature are wrong, and mechanics, electrodynamics and non-relativistic content are also incorrect [13, p. 83].

7. Gravitational interactions and the General theory of relativity

37. The hypothesis of the light velocity of gravity was introduced in order to use false hypotheses of the dependence of mass, length, and time on the velocity of motion in the course of gravitational interaction. An additional justification for this hypothesis was due to the fact that it allegedly gave an excess of rotation of the Mercury's perihelion. Accounting for the non-point form of the Sun explains all the motions in the Solar system, including the rotation of perihelion [13, pp. 9-10].

38. The hypothesis of expanding the Universe contradicts common sense, if it is interpreted in the past. With this hypothesis, it turns out that in the past all objects of the Universe could become closer to distances smaller than their sizes. This is absurd. However, there will be no absurdity if we accept the hypothesis of the "Big Bang" [13, p. 5].

39. Everything that happens on Earth and in the observable Universe is explained by the attraction of objects to each other according to Newton law of gravity. In this case, if the scattering of objects began, their velocity with the distance from the center should inevitably decrease. Why? Because for each object the force of influence of the others is directed towards the center of the aggregate, i.e. against to the object velocity. This will inevitably lead to a decrease in its velocity [13, p. 6].

40. To justify the increasing velocity profile of the expanding universe, introduce "dark energy". Its purpose is to create repulsive forces that will overcome the forces of gravitational attraction between objects, and cause the objects to accelerate from the point of the Explosion [13, p. 6].

41. One can imagine such a star, in which the second cosmic velocity is equal to the speed of light. If we accept the hypothesis that light consists of particles, then such particles can not overcome the gravity of the star, and for a distant observer it will be represented by a dark body, i.e. "black hole". In the case of gravity propagation with light speed, a body does not affect the particle of light, and it will fly away from the star unimpeded and reach the observer [13, p. 10].

42. According to the General theory of relativity, a ray of light passing near a star, for example, of the Sun must be bent. This is possible if the light consists of heavy particles, and the gravitational force is described by Newton's law. At the light speed of gravity adopted in the General theory of relativity, the effect of a star on a particle moving at the speed of light does not appear, and it moves rectilinearly without curving its path [13, pp. 10-11].

43. To confirm the General relativity, three possible phenomena were involved: the precession of the Mercury's perihelion, the deviation and change in the frequency of light as it passes near the gravitating body. I think that it is necessary to be guided by an unshakable rule: a groundless statement should not even be checked for confirmation. The only "basis" for GRT is the desire to create a Unified field theory. But the world around us does not adjust to the desires of person.

We cannot follow the above formulated rule and consider this desire as a basis. The next statement of General relativity is that the speed of gravity propagation is equal to the speed of light. This idea has been continuously tested since the formulation of Newton's law of universal gravitation. And each time it was rejected by a more precise solution of the differential equations of motion or by taking into account the additional influence of the body that was not taken into account earlier. The most complicated calculation of the gravitational interaction – the calculation of the motion of the Moon – was performed. On its basis Laplace in 1787 came to the conclusion that if the speed of gravity is finite, then it must exceed the speed of light by 100 million times.

Apparently, I walked through the entire chain of allegations of General relativity, and came to the conclusion: none of them has any basis. An analysis of a number of these statements is given in my works and, if desired, everyone can independently verify this [16, p. 280].

8. Other components of the surrounding world

44. What is the essence of the impossibility of movement at the expense of internal forces? Why is this movement impossible not only from the standpoint of classical mechanics? The answer is extremely simple. One body or a set of bodies (a mechanical system) can begin to move only if a other body acts on the body or on the set of bodies [6].

45. There are such problems, the solution of which determines the further path of all mankind. One of such problems is the problem of the interaction of two bodies. As a result of her solution for gravitational interaction, an understanding of why and how bodies move in outer space is obtained. Under the influence of the Sun, the planet turns almost in a circular orbit, and the comet moves along an elongated elliptical, and sometimes along a parabolic trajectory. To direct a spacecraft to Mars, it is necessary that relative to the Earth, it travels in a hyperbolic orbit.

This understanding and the associated human activity would be impossible if the two-body problem were not solved. Many do not realize this and do not understand it. There are still people, even scientists, who believe that the planets revolve around the Sun due to the vortex rotation of the ether, the sink (or source) of which is the Sun. Their thinking starts with the hypotheses of

Descartes. Now we can imagine, on whatever path humanity has gone, if I. Newton did not solve the problem of two bodies.

In this paper we consider solutions of three problems of interaction of bodies. In my opinion, their impact on the future development of humanity in terms of significance will be the same as that of two bodies [12 , in html format, p. 1].

46. In vortex chambers (Figure 1), medium, for example, air with initial twist moves from the periphery, and then through the central hole in one of the end caps it expires from the chamber. When moving to the center due to the conservation of the angular momentum, the tangential velocity of the medium increases, reaches a maximum and tends to zero at the center. Large tangential velocities near the vortex axis can exist at low velocities at the periphery. For example, the maximum tangential velocity in the chamber can exceed the peripheral speed by 45 times [4].

On the radius of the vortex, the pressure falls to its center, and at great velocities there are large pressure drops, which in tornadoes are one of the destructive factors. For example, if the pressure in the center of the tornado falls to 90 kPa and the tornado runs into a building in which atmospheric pressure (100 kPa) is maintained, then a load of 1 t is applied to each square meter of the building surface and the building is torn. At the same time, near the destroyed building, there may be objects to which the tornado had no effect.

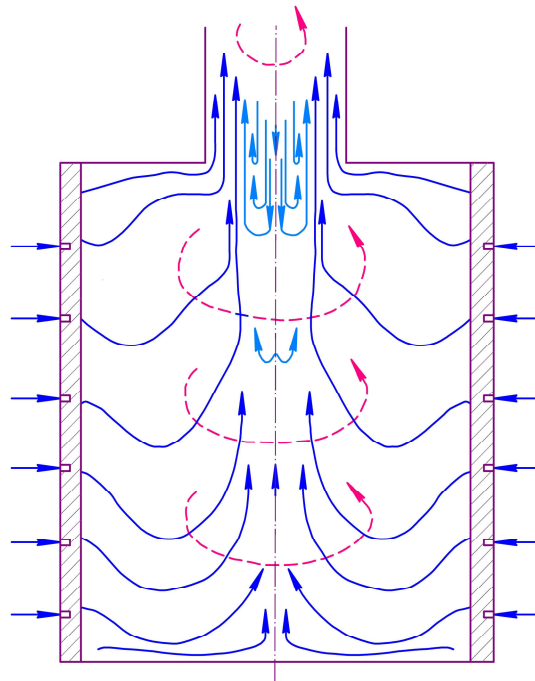


Fig. 1. Flow pattern in a vortex chamber with a peripheral injection

A countercurrent forms in the center of the vortex (see Fig. 1) with a flow diverging from the center [4]. It is these flows that create the eye of the cyclone. In some cases, on the central line of the tornado, objects dropped into the earth surface remain, for example, a pressed layer of straw from a scattered swirl of a stack or tree branches. This effect can be caused by countercurrent. The velocity of the counterflow, forming with the velocity of falling objects in the field of gravity, will lead to their introduction into the surface of the ground. There is a strong electrification of the rotating layer of particles in the vortex chamber and electrical discharges in it, which are identical to electrical phenomena (flashes of lightning through the tornado channel, radio waves) arising in tornadoes [1].

In the vortex chambers, the rotating medium flows to the center. A similar drain mechanism for the formation of rotating funnels takes place when water is drained from the reservoir.

Atmospheric vortices are formed in the same way: superheated at the surface layers of air, with greater buoyancy, flow up through a channel of a smaller size than the drain region. This expiration continues until the entire superheated layer of air is exhausted. In contrast to the reservoir, the sink point, and hence the atmospheric vortex, can move relative to the earth's surface.

In the vortex chamber, the initial swirl of the flow is communicated at its periphery by the tangential input. When the liquid and the atmosphere drain, the initial twist is formed by different circumstances [4]. In the vortex chamber, the medium flows through the pressure difference between the inlet and outlet, in the reservoir due to gravity forces, and in the atmosphere due to buoyancy forces [1, pp. 14-15].

47. In our view, effective measures to combat intense atmospheric vortices can only be undertaken with due consideration for their real mechanisms.

Apparently, at the present time the formulation of the problem of the control of small atmospheric vortices, that is, with tornadoes. To prevent the formation of a tornado, it is possible by providing a low-speed ground-level flow of air. For this purpose, it is necessary to create such a vertical impulse in order to create a channel of one large diameter, or at the same time several channels would form. If the stock is created in advance, the superheated layer will not accumulate and will flow up at low rates.

Thus, the runoff and upward movement is not suppressed, but rather is initiated to ensure that the energy of the surface layer does not accumulate, and there is no subsequent catastrophic manifestation of it. To create a vertical pulse, it is necessary to deliver a portion of fuel at a certain height, spray it and set it on fire [1, p. 38].

48. On September 22, at 10 am (1991), I flew by flight No. 239 Moscow-Tyumen: a TU-154 aircraft, a height of 11,000 m. The bright Sun was shining in a slightly misty atmosphere, below were snow-white clouds ... below and to the right on board I saw a brightly sparkling disk that accompanied us. The disk was with clearly defined edges, sometimes it became clouded, sometimes its boundary broke, and the rays emanated from the disk. The disk followed the plane, then a little behind, then ahead of him. I recalled repeated publications on the accompaniment of aircraft flying saucers. The disk I watched had the same properties as those described in the publications.

My observations lasted from 10:15 to 10:40. The disk then shone brightly, like the Sun, it grew a bit dim; during the yawing of the aircraft at the rate the disk lagged behind the aircraft or outstripped it synchronously with the Sun; in the clouds, the disk disappeared, and sometimes parts of rivers or lakes appeared on the place of the disk: when the clouds completely disappeared at the bottom, it became clear that the Sun observes the disk from all water bodies on the ground. It became clear that the disk is nothing more than a reflection of the Sun from the upper boundary of the clouds. This reflection differs from the reflection of the Sun from the mirror or from the water surface. The latter exists at any elevation angles of the Sun above the reflecting surface. The reflection from the clouds only exists at a certain angle.

Measuring distances and constructing a line of reflection and observation showed that the Sun is at an altitude of 22.5° above the horizon. If at this time the course of the aircraft will be perpendicular to the line of sight of the Sun, the passengers to the portholes will observe the UFO (unidentified flying objects) disc, which is the reflection of the Sun. Such observations can be prolonged for homogeneous clouds and for aircraft flying to the East (in this case the angle of the Sun above the horizon changes little). On moonlit night, under such conditions, the Moon's reflection will be observed [14, pp. 14-15].

49. When I hear the transmission of various religious programs on the radio, I hear how they illuminate the world around me; it just makes me deeply indignant.

Contemporary man has studied many components of the surrounding world. He knows the whole surface of the Earth: what it consists of. He knows the composition of his environment: air,

water, soil. He studied the structure of the Earth. He studied everything around him. Divided it into a living and non-living nature. He studied what the living world consists of, how it developed, how it originated, how the inanimate nature changed for millions and billions of years. He understood what the sky is, what are the stars, what is the Sun, what is the Moon ... Man has established that the planets are moving around the Sun. We now know that there are innumerable such planets like solar ones. Each star, in principle, is surrounded by such planets. We also know that there is an even greater world than the Sun, where each star is among other stars, like a grain of sand in the desert. We call this world a galaxy. There is an even greater level of world, where the galaxies themselves appear to be grains and form metagalaxies. Man has learned what matter consists of, and has revealed the smallest particles of this substance.

And then we are told in the Christian religion that 6000 years ago there was a word, and this word was God, and within a few days the whole world was created. Such ridiculous tales are presented to modern humanity. And how be a society, how prepare your younger generation? All the knowledge that humanity has received must be passed this generation and be taught it.

And along with this, now in our country the younger generation is being screwed up with a completely opposite picture of the world, quite different ideas. How can this individual be guided, acted and existed in the world?

Education of a person, education of his thinking is like creating some programs and putting them into a computer. And imagine that in one program you determine all the actions that a computer must perform in order to solve a problem. And at the same time, enter another program, where you determine the actions are completely wrong, false, and absurd. Will this computer work?

And we are surprised at the contemporary young man. In his head introduce false, logically contradictory ideas about the world, completely fantastic. At the same time they want this person to be guided logically in the surrounding world. This is a task for psychologists: what can be the actions of the individual? Either he/she rejects these false ideas internally, or he/she must alienate herself from the real world and be guided by the mythical, or there will be a mixture and somewhere he/she needs to include certain mechanisms in order to use real knowledge in some cases, and in another to use religious ones. Many will break down the psyche, and they simply will not be able to perform any real tasks, real actions for orientation in the surrounding world [2, p. 1].

50. Every person is born and lives in this world. Some turning points happen to each of us. A person passes from childhood to adult - this is one of the important events for the individual. Then he finds a family: he finds a man of the opposite sex, which becomes his second half, with which his whole life proceeds. Then he has children, and after him remains his offspring. Then a person goes out of life. These five important events, as they say, are momentous events, are important for a person. The society somehow should note them, so that each person will aim at accomplishing this natural course of things. Therefore, these symbolic events in the life of each person should be sanctified.

There must be some holy things in the society of people, thanks to which people who do not know what is good and what is bad, did the natural course of things. If this is not done, then many, not knowing what to do, what is sanctified, that there is something that can not be transgressed and violated, will act in such a way that chaos will ensue in society. Therefore, if a people lives, there must be certain rules and relics for him, by which he must be guided in life.

Of course, there must be sacred places, and our society must work out and define them together, not under the control of some person. For such person, a sacred object is his monument, his family, his things, and he will leave, and another ruler will say that these are not holy, and people will scatter them and trample them with their feet. The sacred objects of the people should be determined by its best representatives who are not rulers, but who deserve the respect of all people through their activities during their lifetime [2, p. 2].

9. Prospects for the development of science and humanity

51. We are on the verge of revolutionary changes in physics. The logic of common sense will prevail, the mysticism will disappear from the notions of time and space, classical mechanics will take its place, a qualitative leap in the understanding of the macro and microworld will occur. Philosophy and methodology will get rid of the fetters, and science will provide us with knowledge that is simple and clear, like the four actions of arithmetic [13, p. 47].

52. You are right, the special and general theory of relativity is wrong. They need to be thrown away and forgotten. Erroneous are also sections of physics in which the theory of relativity is used.

I create new physics without the theory of relativity (including without the Lorentz transformations and curvilinear geometry). Join this work!

You are also right that mathematics is needed to solve physical problems. However, modern mathematics and mechanics are not suitable for new physics. Mathematics is spoiled by set theory and curvilinear geometry, and mechanics by the abstract methods of Lagrange and Hamilton.

I'm updating mechanics and mathematics. I solved many problems, including the problem of the perihelion of Mercury (Smulsky JJ New Components of the Mercury's Perihelion Precession. *Natural Science*. 2011. Vol. 3, No. 4, p. 268-274. <http://dx.doi.org/10.4236/ns.2011.34034>; <http://www.scirp.org/journal/ns>), and developed new research methods. I give them in free access.

I created a powerful tool for knowing the micro- and macro world. This is the Galactica system. It is designed to solve the problems of interaction of bodies under the laws of Newton and Coulomb. Samples of tasks and instructions for the Galactica system are freely available.

I call on to use them for the knowledge of the world, and thus create a new physics.

Proponents of fake physics prevent the publication of my works, and the published works are not mentioned. They also try to block access to my sites, so have time to copy the materials and data until the sites are closed.

As for the book by Florentine Smarandache et al. "Unresolved problems in the Special and General Theories of Relativity" (by Florentin Smarandache et al. <http://www.worldsci.org/php/index.php?tab0=Books&tab1=Display&id=1641>), then there are no unsolved problems in the Special and General Theories of Relativity, except for one: these theories need to be thrown away and forgotten!

The book "Unsolved problems in the Special and General Theories of Relativity", written in the course of the Theory of Relativity, is useless and false. To all the works on physics I advise you to apply the following criterion of the value of physical theories: "Physical theories, which are not based on the works of J.J. Smulsky, or in which there are not even their mentions, are false and do not deserve attention!" [9].

53. The existence of a solution, when on a sphere with a radius equal to the radius of the Earth's orbit, there can exist several planets equal to the Earth, opens the prospects for the further development of mankind. New planets can be created from an existing substance in the Solar system. It can be a substance of asteroids, satellites of planets and even the planets themselves. New planets can be created sequentially. First, a second planet after the Earth is created. It is inhabited by primitive forms of life and after their rooting; more complex plant and animal species are introduced. This process continues until the conditions that are suitable for human life are created. From this moment begins a long stage of the settlement of man and the entire living world on a new planet.

On Earth life began as a result of multiple random interactions. Therefore, its inception and formation took billions of years. As a result of conscious human activity, the birth and development of life on a new planet will take place not for billions of years, but for hundreds of years.

After mastering the second planet, work on the creation of the third, then the fourth, etc. can begin. With the introduction of a new planet, the orbits of the others will be adjusted in such a way that the existing number of planets makes regular movement, i.e. that they correspond to an exact solution of the spatial problem for a given number of bodies.

To create a new Earth, mankind needs to gain experience in working with space objects. In 2008, a proposal was made to turn the asteroid Apophis into a satellite of the Earth. On April 13, 2029, it will approach a distance of 6 radii of the Earth, and no more such approximations will be made in the nearest thousand years. It is desirable that the satellite Apophis addresses in the same direction as the Moon. To do this, six months before the rapprochement, it needs to be accelerated slightly, and it will move to the night side of the sky. A braking is required at the moment of rapprochement of Apophis with the Earth.

There is another scheme for the transformation into a satellite of a larger asteroid 1950 DA. To make it skirted the Earth's orbit, the asteroid should be accelerated slightly at the point of its aphelion, and at the moment of approaching it should be broken. Thus, the 1950 asteroid will become a satellite of the Earth in its geostationary orbit.

Transformations of asteroids into satellites of the Earth are simpler operations than the creation of a new Earth. However, they are currently technologically impracticable. The proposal for Apophis in 2008 to 2029 had a time reserve of 21 years. With purposeful work for 21 years, humanity can accomplish more cardinal tasks. For example, after a devastating war, the Soviet Union launched a satellite in 12 years, and in 16 years launched a spaceship with a man on board. These accomplishments were done by one country. It is hard to imagine what kind of accomplishments the whole of humanity can accomplish in 21 years, if all countries unite to solve a problem [12, p. 16].

54. As a result of working on the problem noted in sect. 4 [15], I created a regular spherically distributed structure of N -bodies, which for $N = 100$ bodies showed that it does not change over 100 circuits.

The reviewer accused me that I did not prove her immutability during 10^7 , 10^8 , 10^9 circuits. It should be noted that until now there is no proof, except for mine for 10^8 circuits, of the stability of the Solar system, consisting of ten bodies: the Sun and nine planets. Therefore, this accusation is ridiculous.

I will give you another example. The first railway in Russia was built in 1837 between St. Petersburg and Tsarskoe Selo. How good it was that there were no reviewers who could blame the road builders for not building a railway around the Globe. Imagine that such reviewers would have been, and the tsar listened to them. Then in Russia there would be no railways to this day.

Returning to regular spherical structures, it should be noted that with time all will be proved, and new planets like the Earth will be created. This will be done, despite the fact that there are such reviewers, and there are those who listen to them. But, despite this, there are people like me, although in very small numbers. But they carry knowledge and truth, which are picked up by the masses of sane people.

At this point, the reviewer expresses doubts about possible methods of solving the problem of creating new planets like the Earth. In addition to those mentioned by the reviewer, there are a lot of other questions, and in the paper they are mentioned. The paper proposes a consistent way to solve this problem, for example, to start with the transformation of asteroids into satellites of the Earth.

Unfortunately, this reviewer does not understand, because he refers to the class of people "graduates" who only study literature. My paper is intended for people-creators. In the paper they are looking for no places that can be blackened. People-creators will see in the paper the decisions that will be implemented [15, p. 23].

55. In the General Comments, the reviewer expresses the impression he was inspired by my paper "Advances in Mechanics and Outlook for Future Mankind Progress". This impression of a person familiar with ideal mathematical models, which treats them in isolation from the surrounding world. He believes that the world around him develops according to its laws unknown to him.

In my paper, on the contrary, it is shown that the latest achievements of mechanics explain all aspects of the surrounding world, and, moreover, open the possibilities for its improving both for the further development of mankind and for the surrounding world. I attributed the paper to the category of the research paper, since it presents the results obtained by the most accurate methods to date, which, moreover, have been tested for reliability by all possible criteria at the present time.

The reviewer concludes:

1) the settled results of the "official" science are challenged by the Author's results and research.

2) of about 25 references, only three are not original;

3) therefore the paper has no new results.

These conclusions contradict each other. If the results are challenging that known in science, then they are new. And the new results have no analogues in the literature, so there is no need to refer to anyone.

In conclusion, we can say the following. The main statement of the reviewer that the paper lacks new results is erroneous. In the particular comments of the reviewer there is no logic or there is a superficial knowledge of the problems. Since in the review there is not a single evidence of errors in the paper, it should be regarded as positive. Therefore, if is objectively estimated the paper, then it presents a completely new and highly relevant material that must be published.

I suggest that the journal publish this paper, supplementing it with the opinion of the reviewer and my answer to it.

Contemporary problems of mankind are caused by the crisis of the establishment science, other words, the Mainstream-science. There is no judge in the world who could tell people on the issues discussed here: this is good, but it is bad. When for sane people will be presented by two opposing opinions, then they will make their own choice. In this way, all the problems facing humanity can be solved [15, pp. 23-24].

10. Ways of development of society

56. The formula of today's (1992) insanity: "The bifurcation of the presentation is funded by the stagnation of consensus" [5, p. 163].

Or else: "Sequestering the legitimacy of investments is imitating by the mentality" (October 15, 1997).

57. At a dangerous time we live. The world is ruled by slander, lies and deception. This is the result of the activities of the ruling circles of the United States of America. This policy was tested in the Soviet Union and perfected in Yugoslavia, Iraq, Libya, Syria and Ukraine. Previously prosperous countries had been destroyed. In the world, chaos has been sown, and confusion has been established in the minds and complete disorientation of the ruling circles of the leading countries has occurred [10, in the html format, p. 1].

58. Nuclear-weapon States have concluded a non-proliferation Treaty. But what about states that do not have this weapon? They are under the threat of nuclear states. At the same time, the overwhelming majority of weapons are held by the United States and US controlled states. The nuclear weapons of other states are ineffective against the US and its allies, since it is blocked by the US. Therefore, all states are under threat of US nuclear weapons. If nuclear states retain the likelihood of a retaliatory strike, then nuclear-free states are completely disarmed before the atomic threat.

Therefore, there are no international and any human rights to ban non-nuclear independent states from the US to create their own atomic weapons! It will be created secretly and will inevitably prove to be hostile to the whole world.

The US threat to independent states is obvious and inevitable, and atomic weapons are the only way to avoid it.

How can mankind get rid of nuclear weapons? And can solve the problem in another way: how to avoid the threat of an atomic war? There can only be one option: all nuclear weapons must be controlled by all. No country should be able to use atomic weapons at will. Only in this case all states can feel safe from its application [10, in the html format, p. 2].

59. One of the main tasks of society in all ages was creative work. Signs of such creative work remained in England (Stonehenge, 7 thousand years ago), in America (Machu Picchu), in Egypt, in Asia Minor, India, China and elsewhere.

The society should have as many achievements as all its members can make in total. What to achieve and what to do? There are two ways. The first way is based on the technological development of society. For the past 100 years, there have been various discoveries that have provided new activities. These new species will appear in the future.

The second direction is the activity to improve and to develop the world around us on the Earth. All previous activities led to the destruction of this world. Now it should be directed at its revival. "We will create a kingdom of life on Earth" becomes the motto of society. In all spaces: plains, mountains, rivers, lakes and seas can be improved conditions for life ... [10].

60. Contemporary residents of large cities, accustomed to entertainment and idleness, are unable, with rare exceptions, to follow the path of accomplishment. It is necessary to create a new capital of the state, in which people with their own hands will begin to build life without all the shortcomings that exist in contemporary society. The new capital should be closer to the center of the state, for example, in the interfluves of the Ob' and the Yenisei. It should grow not upwards, in the sky, in the form of a cluster of skyscrapers, but in the broad. Modern means of communication and transport allow people to live in separate villages and towns in which they can enjoy both all the achievements of society and directly participate in the improvement and development of the environment. The capital and adjoining settlements must fully provide for themselves with food and material means, including energy.

When the creative goals of society are proclaimed, many young people, not only from our country, but also from other countries, will rush to build a new capital. With their own hands, they will detail these goals, clarify and develop further. The peoples of the world are tired of idleness and inoccupation! Each person is created for work, and the highest joy for him is his work results, which are for the benefit of all [10, in html-format, p. 5].

11. Resume

61. We came to the conclusion that many constructions of modern physics are a distorted description of the surrounding world. Much work remains to be done to correct it and create a new description. We hope that it will be built on a non-hypothetical basis. The physical sciences will no longer be a collection of sacred positions, incomprehensible even for the initiated. They will give people a clear and explicit knowledge of the world, which will allow them to equip their lives consciously, purposefully and optimally.

We are sure that there is nothing beyond the world and inexplicable in the world. And there are many unknown and interesting things to us. We hope that, together with the Theory of relativity, the mystical perception of the surrounding world will pass into oblivion and the highest goal of society will be the desire for new knowledge about the world [11, p. 244].

62. The attitude of English-speaking scholars to Russian authors is a serious problem. For example, they treat me like a Russian-speaking person as a Brahman to a Sudra. Even the English-speaking Chinese Chan Rasjid from Singapore marked my Russian English in my exhaustive explanations about the TR . At the same time, his understanding of the TR have stayed in the same place.

If the anti-relativists were closer to reality and treated me as sudras to a Brahman, then the TR would disappear 30 years ago [8].

63. What is the use for the reader of reading all this material? Truth in life is important for a person, and truth in science is important for a scientist. The truth in life will only be when scientists do not lose the truth in science. When the truth in life disappears, the crashes occur in the destinies of peoples. However, the truth is still in science. Hence, there is truth in life. To find them and not to lose, and is needed to read this material [3, p. 18].

64. **Statement of responsibility.** For all the good and bad, true and erroneous in my work I bear personal responsibility: I did it with zeal and without evil intent. I did as I could, and who can, let him do better [3, p. 38].

** The paper is presented in the author's edition*

References

1. Melnikov V.P., Smulsky, J.J. The Vortex Phenomena at the Atmosphere // Institute of the Earth's Cryosphere. -Tyumen.- 1997. - 45 p.- The Complete text is deposited in VINITI 24.04.97. N.1304-B97 Dep. (In Russian). <http://www.ikz.ru/~smulski/smull/Russian1/AtmVortex/VIHIAVL3.pdf>.
2. The Radio "Word". About Belief and Nation Halidoms. Joseph J. Smulsky answers the questions of talk-show hostess Yu. A. Kerzhakov . (July, 2004). (In Russian). <http://www.ikz.ru/~smulski/smull/Russian1/Miscellena/VerSvNar.html>.
3. Smulsky J.J. Actual Mathematical Problems and Thorny Way of Science // The Way of Science. International scientific journal, No. 10 (20), 2015. . - Pp. 10-38. <http://scienceway.ru/arhiv>.
4. Smulsky J.J. The Aerodynamics and Processes in the Vortex Chambers. - Novosibirsk: Publishers "Science". - 1992. - 301 p. (In Russian). <http://www.ikz.ru/~smulski/Aerpro/aerpro.djvu>.
5. Smulsky J.J. Nonrelativistic picture of the world and the ecology of the mind (the theory of relativity versus the mind / In the book. Engineer's mind in action. Edited by academician ATN N.A. Malyushin. Tyumen: Giprotymenneftegaz, Neftegazprekt, 1997. P. 163-175. (In Russian) http://samlib.ru/s/smulxskij_i_i/nerkar97.shtml.
6. Smulsky J.J. About unsupported movement. 18.06.07. (In Russian) http://samlib.ru/s/smulxskij_i_i/obezopdvhtm.shtml.
7. Smulsky J.J. On performance indicator of scientist's scientific work // The Way of Science. International scientific journal, No. 10 (32), 2016. Pp. 8-16. (In Russian). <http://www.ikz.ru/~smulski/Papers/PokRezNauchD4.htm>.
8. Smulsky J.J. A letter to Harald van Lintel. – August 17, 2017.
9. Smulsky J.J. Letter to Chan Rasjid. – December 24, 2015. Tyumen. (In Russian). http://samlib.ru/s/smulxskij_i_i/rasjid01reendoc.shtml.
10. Smulsky J.J. Improving the Abilities of Mankind to Further his Development / In Col.: The Scientific and Industrial Activity is Formation of Mankind habitat: Materials of All-Russian scientific-practical conference with international participation. Tyumen, TIU, 2017, p. 29-36. (In Russian). http://samlib.ru/s/smulxskij_i_i/ssmdr02.shtml.
11. Smulsky J.J. The Theory of Interaction. - Novosibirsk: Publishing house of Novosibirsk University, Scientific Publishing Center of United Institute of Geology and Geophysics Siberian

Branch of Russian Academy of Sciences, 1999 -293 p. http://www.ikz.ru/~smulski/TVfulA5_2.pdf (In Russian). <http://www.ikz.ru/~smulski/smull/English1/FounPhisics/TVANOT1.doc> (In English).

12. Smulsky J.J. Fundamental Scientific Results and Habitat Formation of the Future Mankind / In Col.: The Scientific and Industrial Activity is Formation of Mankind habitat: Materials All-Russian Youth Scientific Conference (With International Participation) 26-27 April / Eds. Drozdov D.S. and Sadurtdinov M.R. - Tyumen, TIU, 2016, p. 10-18. (In Russian). <http://www.ikz.ru/~smulski/Papers/FundScnRz11.pdf>.

13 Smulsky J.J. Electrodynamics of moving bodies. Determination of forces and calculation of movements. Saarbrucken, Germany: "Palmarium Academic Publishing", 2014. 324 p. <http://www.ikz.ru/~smulski/Papers/InfEIMvBEn.pdf>.

14. Smulsky J.J. The phenomenon of the reflection of celestial bodies from clouds and UFOs. - In: Applied and theoretical questions of non-conventional energy and energy-saving technologies. Materials of the scientific and technical conference on September 28-30. - St. Petersburg. LDNTP, 1992, p. 24-27. (In Russian). http://samlib.ru/s/smulxskij_i_i/ufo2html.shtml.

15. Smulsky J.J. Advances in Mechanics and Outlook for Future Mankind Progress // International Journal of Modern Education and Computer Science (IJMECS). 2017. Vol. 9. No. 1, p. 15-25. <http://www.mecspress.org/ijmeecs/ijmeecs-v9-n1/IJMECS-V9-N1-2.pdf>.

16. Smulsky J.J. Conceptual Error in Contemporary Science // Proceedings of the Natural Philosophy Alliance. 13th Annual Conference 3-7 April 2006 at the University of Tulsa, OK, USA. Published Space Time Analyses, Ltd. Arlington, MA, USA. 2007. Vol. 3. No. 2, p. 277-281. <http://www.ikz.ru/~smulski/Papers/CnErCS2.pdf>.

17. Smulsky J.J. Exact Equations for the Light Doppler Effect // Journal of Modern Physics: 2014. Vol. 5. No. 16, p. 1602-1607. <http://dx.doi.org/10.4236/jmp.2014.516161>.

The material was received on 18.12.17.

The result of the review of the paper in the journal "Herald of the Russian Academy of Sciences"

From: "Journal Herald of the RAS"

To: "Joseph J. Smulsky"

Subject: Re: paper of Smulsky

Date: December 16, 2017 0:37

Dear Iosif Iosifovich!

Your paper is considered by the editorial board of the journal "Vestnik RAN" ("Herald of the Russian Academy of Sciences"). Its publication is considered inadvisable, no improvement or revision of the text cannot go.

In the decision of the editorial board, in particular, it is noted that in the paper under review almost all contemporary achievements of science in the field of physics and space-physics are denied:

Item 19: "Contemporary science defective and false, because it created an unreal and fantastic picture of the micro and macro world, does not interfere with antisocial and anti-human tendencies in the contemporary world and thereby contributes to the degradation of mankind."

Item 24. "Contemporary science holds and lives on sensations. The last sensation was about the discovery of gravitational waves. The previous sensation was about the discovery of bosons, particles of God, on the supercollider in Switzerland."

Both statements (Items 19 and 24) refer the reader to the work of J.J. Smulsky, published in "The Way of Science. International Scientific Journal", 2016, No. 10 (32), p. 8-16, what a journal, I do not know.

Item 25. (The results of observations of gravitational waves from the fusion of a double Black hole are refuted). "In the LIGO experiment, galaxies made motion with velocities exceeding the speed of light by twenty-one thousands billion times." As can be seen, the LIGO experiment refuted the theory of relativity" (again, reference to work in "The Way of Science. International Scientific Journal", 2016, No. 10).

Item 52. "I'm updating mechanics and mathematics. I solved many problems, including the problem of the perihelion of Mercury." (Smulsky, Natural Science 2011, v. 3).

"I created a powerful tool for knowing the micro- and macro world. This is the Galactica system. It is designed to solve the problems of interaction of bodies under the laws of Newton and Coulomb. Samples of tasks and instructions for the Galactica system are freely available."

"Physical theories, which are not based on the works of J.J. Smulsky, or in which there are not even their mentions, are false and do not deserve attention!"

I think that these examples are enough. And the scientific world is unlikely to quickly follow the genius of J.J. Smulsky.

I have nothing to add to this.

G.A. Zaikina, deputy. editor-in-chief.

My comment. For conferring the title of "genius" I am grateful. But that the scientific world does not follow, I do not agree. It already follows. The ones, that to forbid following, leave the world, and my results are beginning to be implemented into actions.