



Research Book:

Abstract: It is dedicated to the centenary of the Great October Socialist Revolution; the memory of all time scientists and people who contributed to the creation of human intelligence's highest achievement - dialectical materialism – which is invaluable for the fate of earth civilization: Democritus and Epicurus, Tycho Brahe and Copernicus, Giordano Bruno and Galileo Galilei, René Descartes and Isaac Newton, Mikhail Lomonosov and Helmholtz, Kelvin and Rayleigh, James Clerk Maxwell and Michael Faraday, Hegel and Karl Marx, Friedrich Engels and V.I. Lenin, Academician V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimova ..., my friends, professors - Peter Beckmann, Stefan Marinov, Anatoly Denisov ... and all victims of the quantum-relativistic inquisition of pseudo-scientific swindlers and cosmopolitans who manage to put the blame for their science and humanity crimes on their opponents and victims.

In this monograph by Vladislav Cherepennikov, the director of the International scientific organisation «Newtonian society», from the standpoint of dialectical materialism and outstanding scientists, the causes of the crisis in natural science provoked by the quantum-relativistic unconscious are considered.

The hypothesis about the cause of the planet Phaeton's death is stated from the position of distinguished personalities of science, arts and literature; It is given for scientific discussion an analytical solution of natural science's central problem and philosophy on the mechanical nature of physical interactions, resolution of the Faraday-Maxwellian mechanical models in full accordance with the program developed by the Giants (as defined by I. Newton) of the international scientific community.

The materials of research are intended for a wide range of readers - from philosophers and naturalists to Technical and Engineering Employees and politicians, students and all who are interested in problems of natural science, philosophy, economics and politics. The book will be useful to everyone who does not accept lies and are eager to know the truth.

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Cherepennikov V.B.

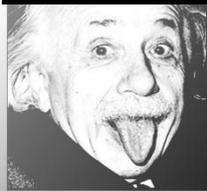
Science needs protection from pseudo-scientific swindlers

**About the
mechanical
essence of
physical
interactions**

**"In Umeris Gigantum"
(on giants shoulders)
I.Newton**



**"Where the stupidity is the
pattern, there is a mind
that is insanity"
Goethe**



**Philosophical and
natural science
inability of the
quantum
relativistic
unconscious**

Международная общественная организация

**International scientific organization
«Newtonian society»,
Russia, Ulyanovsk, 2017**

«Science needs protection from pseudo-scientific swindlers who have usurped the power of the world scientific community. It is about the mechanical essence of physical

interactions, philosophical and natural science inability of the quantum relativistic unconscious"

In this monograph by Vladislav Cherepennikov, the director of the International scientific organisation «Newtonian society», from the standpoint of dialectical materialism and outstanding scientists, the causes of the crisis in natural science provoked by the quantum-relativistic unconscious are considered.

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The materials of research are intended for a wide range of readers - from philosophers and naturalists to Technical and Engineering Employees and politicians, students and all who are interested in problems of natural science, philosophy, economics and politics. The book will be useful to everyone who does not accept lies and are eager to know the truth.

1. INTRODUCTION

1.1 The crash of modern theoretical physics.

**Is the ether thrown back and forgotten?
... Long live the ether!**

"We must understand that without a serious philosophical argumentation no natural sciences, no materialism can withstand the fight against the onslaught of bourgeois ideas and renewal of the bourgeois mindset." V.I. Lenin

V.I. Lenin's caution was prophetic. We not only did not defend dialectical materialism against the onslaught of bourgeois ideas and the renewal of bourgeois mindset, but we allowed pseudo-scientific swindlers and cosmopolitans to destroy the Soviet Union, the countries of socialist community and

force Russians into poverty and lack of rights.

"Collapse of the Soviet Union is a geopolitical disaster of the 20th century"

*President
of the Russian Federation V.V. Putin*

"The current picture of material reality is so shaky and doubtful today as it was never before. We know a lot of interesting details, we find out the new every day. But we still cannot pick one from the basic representations that can be regarded as firmly established and with reference to which a durable structure can be built. The widespread view of scientists proceeds from the fact that it is generally impossible to give a true picture of reality in the sense that it was given earlier (in other words in terms of images and movements). Only optimists among us (to whom I include myself) take this for philosophical exaltation and for the step of despair in the face of a big crisis. We hope that this hesitation of our ideas means only a

painful process of transformation which will lead to a better result eventually than the disorderly set of formulas that covers our subject nowadays. "

Nobel laureate E. Schrodinger

"Quantum physics urgently needs new looks and ideas that can appear only with a deep review of principles belonging to it."

Nobel Laureate Louis de Broglie

"The great and first successes of quantum theory could not make me believe in game of dice ... Physicists consider me an old fool, but I believe that in future the development of physics will go in a different direction than now."

Nobel laureate Albert Einstein

"Relativistic quantum theory is no good at all as the foundation of modern physics".

Nobel Prize winner P. Dirac

"Looking back on the development of physics, we see that not long after his birth the ether became a "degenerate" in the family of physical substances. The construction of a simple mechanical model of the ether turned out to be impossible and was rejected. This largely caused the failure of mechanical point of view. After so many bad lucks, a moment comes when one should completely forget about the ether and try never to mention it again. The only way out is to admit that space has a physical property to transmit electromagnetic waves and do not take too much care of this statement's meaning... "

Nobel laureate Albert Einstein

Being refused from "degenerate" - ether, or rather from the material intermediary under the influence of one body to another,

allowing by that the interaction of bodies through emptiness. A. Einstein did precisely the very big stupidity, absurdity and demonstrated incompetence in philosophical thinking from which the great Newton warned:

"To admit that one body can affect the other through emptiness without the mediation of anything that would convey the action and force from one body to another seems to me so great stupidity and absurdity that I do not think that a competent person in philosophical thinking could ever do it. " Isaac Newton

However, the apologists of relativism continue to defend the stupidity and absurdity of Einstein's pseudo-scientific theories and his incompetence in philosophical thinking, which led to the collapse of theoretical physics:

"And up to now we have articles that are trying to argue against the fairness of relativity theory. These days, such articles are not even considered as clearly anti-scientific. "

Academician P.L. Kapitsa

"The failure of traditional mechanism or rather the criticism to which he was subjected, led to the following proposition: science also got crashed."

Abel Rae

"A unified field theory could be an object of speculation for Einstein; For our days it is absolutely necessary for theoretical physics. Of course, one can ask whether this theory will be a unified field theory or some other mathematical apparatus which would be more suitable for describing experiments. But this future theory should be single containing a set of empirical fields. Over the current state of physics we are still far from completely solving all the problems ... But the program ... has kept its philosophical power in spite of, or it's

better to say, in response to all the new experimental data on elementary particles and perhaps this program opens the most fascinating field of study in our times ...

All opponents of the quantum theory are united, however, in one point. In their view it would be desirable to return to the idea of reality inherent in classical physics or, speaking in a more general philosophical language, to the ontology of materialism, that is to the idea of an objective real world."

Nobel laureate W. Heisenberg

"Physical thought will return to the fundamental views of Faraday and Maxwell in the future, it will develop them by taking into account all new achievements and will complete the construction of a general physical theory."

Academician V.F. Mitskevich

"A completely special atmosphere was created around the theory of relativity. It is defended with extraordinary passion but its opponents are subjected to all sorts of attacks from which it is clear that we are not talking at all about the details of a theory but the class struggle reflects in this area of which the participants do not even realize that they participate in it. "

Professor A.K. Timiryazev

"... the theory of relativity is an ideological diversion in materialistic philosophy, it undermines the foundations of the Marxist-Leninist worldview ... the theory has become an obstacle on world science..."

V.I.Sekerin

"When we move forward so much that we can give the mechanics of the ether, then, of course, many things will enter into it, which is now necessarily belongs to physics."

Friedrich Engels

"The essence of modern physics' crisis consists in breaking old laws and basic principles in rejecting objective reality outside consciousness, that is, in the replacement of materialism with idealism and agnosticism ...

The materialist basic spirit of physics, as of all modern natural science, will win all and all crises but only with the indispensable replacement of materialism by metaphysical materialism by dialectical ... Following the path of the Marxian theory we will approach more and more the objective truth (never exhausting it), while walking along any other path we can not come to anything but confusion and lies. "

V.I. Lenin

"A mature theory in which physical facts will be physically explained will be constructed by those who will be able to find the only true solution to the questions by asking the nature itself posed by mathematical theory."

James Clerk Maxwell

In materials of the theoretical study "Science needs protection ..." on the basis of a return to the principled views of Faraday and Maxwell in an analytical form is given to the mechanics of the ether, "who managed to find the only true solution to the questions posed by mathematical theory," into which "a lot of

things were included that now is assigned to physics necessarily".

1.2 Science needs protection from pseudo-scientific swindlers

(Introduction to the first edition of brochure "Science needs protection", Volga Region book publishing house, cooperative "Tovarishch", Saratov, 1991, with changes and additions)

"It is quite often asked why those who are commanded to be learned and patient by their ministry were so often ignorant and heartless. They were ignorant because they had studied for too long and were cruel because they felt their worthless pursuits becoming the scorn of wise people"

Voltaire

"When heroes leave, clowns appear on the arena"

Heine

"Where the stupidity is the pattern, there is a mind that is insanity"

Goethe "Faust"

An unquenchable thirst for learning the world - this is the guiding idea that all through the ages has led mankind to take the truth against superstitious prejudices, hypocrisy and lies to awaken self-awareness of enslaved against its oppressors - to genuine freedom. Through fires and torture of the Inquisition, through falsifications and prohibitions, through persecution and repression, science tirelessly breaks its own path forcing pseudo-learning retreating to twist and adjust, invent more shrewd ways of delaying its imminent death. Crushed by the labors of the great scientists' idealism like an antiscientific confrontation is now

compelled to marshal materialism. To unmask this simple forgery, to fulfill our "unconditional duty" bequeathed by VI. Lenin on the protection of achievements of dialectical materialism calls upon the Soviet public. The path of purging Soviet science from idealistic stratifications is impossible without revealing their origins. This circumstance prompts us to return in the 1920s and 1930s and to follow the course of the ideological struggle that has arisen in our science after the death of Lenin. So, the work of academician V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimov on the ideological front of the 20-30s was characterized by academic science "as the main danger on the theoretical front of those years," since their "concept ... was a peculiar perception in the materialist philosophy of positivism's number of ideas... was a kind of revision of dialectical materialism." Great Soviet Encyclopedia. V. 16, M. 1974, p. 558. It would seem that the accusations are sufficiently thorough and is it necessary to return to an already resolved and closed issue? The main opponent and exposé of "scientific reactionaries" was Academician A.F. Joffe. In his accusatory article "On the situation on the philosophical front of Soviet physics" Academician A. F. Loffe wrote: "... I am sure that for anyone who will try to understand honestly the philosophical positions of modern physicists and philosophers with the criterion of Lenin it is obvious that A.K. Timiryazev, A.A. Maksimov, Academician V.F. Mitkevich, considering himself a materialist are actually a scientific reactionary. On the other hand, I.E. Tamm, Y.I. Frenkel and V.A. Fock are undoubted materialists. "The journal "Under the Banner of Marxism", No. 11 - 12, 1937 p. 140.

"Covering a small group of reactionaries in physics who are close in their physical views to the German fascists, Maximov's article accuses all the rest of Soviet

physics and all leading Western scientists - anti-fascists and friends of the Soviet Union - of idealism and anti-Soviet political attitudes." The journal "Under the Banner of Marxism", No. 11 -12, 1937, p. 142.

To assure ourselves of fairness of accusations advanced by Academician A.F. Loffe against Academician V.F. Mitkevich and his associates in the involvement in the "scientific reaction", from the text of the article itself is impossible. The absence of scientific evidence and abundance in the vocabulary of Academician A.F. Loffe as arguments of words and phrases of non-discourse character, such as: "unworthy slander", "striking illiteracy", "monstrous in its absurdity", "physical ignorance", "overfree illiteracy", "half-educated scientist", "scientific Backwardness," and so on – all these testify to the inability of an opponent to refute the arguments of his opponents by scientific methods that is frankly reveal the weakness of his position. Moreover, the text reproaches the group of Academician V.F. Mitkevich in the adherence to the ether and Faraday-Maxwellian views and the denial of the latter by Academician A.F. Ioffe, on the contrary, speaks well for the materialistic views of his ideological opponents and reveals the idealistic nature of the attacks of academician A.F. Joffe. So for the investigation of the truth it becomes necessary to turn to other sources. Let us take, for example, the protocol's stenograph of the VKP (b) faction's meeting of the 8th All-Union Conference on Physical Chemistry of November 14, 1934. At this conference, Y.I. Frenkel said: "I find that the theory of dialectical materialism is not the crown of human thought that can satisfy the thinking humanity ... the dialectical method has no right to a leading role in science. I'm anything but innocent in philosophy. What I read from Lenin and Engels can not replace my epistemological views. This is

my opinion and I will not refuse it." The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 172.

Denial of "doubtless materialist" by Y.I. Frenkel of dialectical materialism, it would seem that it would have called into question the validity of the accusations against Academician V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimov. But forgery does not stop Academician A.F. Joffe. The main task is not to protect the "unquestionable materialists" of the Frenkel from the "scientific reactionaries," but to "shield" dialectical materialism from the encroachments of dissenters. and Academician A.F. Loffe is developing a unique way of protecting him, widely used by his ideological heirs and at the present time: "If a really positive and negative electron connecting can create a light quantum and vice versa, then we have the following alternative," writes Academician A.F. Joffe, - we could assume the charge to be considered matter but then the matter must be algebraic rather than arithmetical, matter can be positive and negative, plus and minus can be mutually destroyed ...

If we proceed from the fact that matter can only be which is preserved and preserve arithmetically, then we can consider energy as the only one that does not disappear and is not created anywhere ... If the energy itself is physical matter then the representation about matter as the carrier of this energy and energy as one of the properties of this carrier disappears, the energy itself becomes then matter ... ". The journal "Under the Banner of Marxism", No. 4, 1934p.68.

Indeed, on the basis of the ideas' development of the quantum-relativistic subconscious, Academician A.F. Loffe sums up the "pondering the course of this development of physics" to the inevitable conclusion that the materialist views are inconsistent. Now when the goal has been

achieved, Academician A.F. Loffe continues: "The 25 years of development of atomic physics have given so much vivid confirmation of materialistic philosophy that they should have led to the only possible methodological position, pondering the course of this development of physics to the position of dialectical materialism ...

In front of me here is the slogan "Long live the Union of Dialectical Materialists with Naturalists for Combating Idealism." I think not only in words but in fact we have already shown that we are striving for it. "The journal "Under the Banner of Marxism", No. 4, 1934 p. 68.

The contradictions of conclusions in the first paragraph with the conclusion in the second are so obvious that there is no doubt that the hypocritical confusion introduced by Academician A.F. Ioffe, is intentional in nature. If Academician A.F. Loffe really tried to understand his own philosophical positions with the criterion of Lenin to which he calls others, otherwise than stupidity, absurdity and incompetence in philosophical thinking, according to the ideas of I. Newton, F. Engels and V.I. Lenin, it's impossible to name them. Particularly towards to energy preached by Academician A.F. Loffe, V.I. Lenin wrote: "After all, energy must have a carrier" - supporters of matter say. If energy is movement, then you have only moved the difficulty from the subject to the predicate but they have altered the question: is matter moving? The question is: is energy material? Is the transformation of energy outside my consciousness, regardless of man and humanity or is it only ideas, symbols, symbols, etc.? On this issue, the "energy" philosophy broke its neck, this attempt to "cover" the old epistemological mistakes with the "new" terminology. Energy physics is the source of new idealistic attempts to think of motion without matter - on the occasion of the disintegration of particles of matter that were considered to

be indestructible and the discovery of previously unknown forms of material motion. " So in words and in practice Academician A.F. Loffe showed how by substituting the "fundamental view of the philosophy of Marxism" (the definition of V.I. Lenin / author) about the corporeal substance-matter with the idealistic hoaxes of the quantum relativistic sub consciousness to lead "to the actual negation of dialectical materialism" pondering the course of this development of physics. It was this way that triggered the decision of the Central Committee of the CPSU (B) of 25.01.31 "On the Journal under the Banner of Marxism," which imposed a taboo on criticism of the philosophical inconsistency of the quantum relativistic subconscious and prohibited the consideration of problems of physical interactions on a mechanical-materialistic basis. BASES which adhered to the overwhelming majority of natural scientists whose views were defended by F. Engels and V.I. Lenin. Exulting in a victory at this step, another one of the "unquestionable materialists" Academician S.I. Vavilov is an ex-president of the Academy of Sciences of the USSR, wrote: "Metaphysical materialists, in fact, are defeated and first of all by practice, concrete results of new physics and complete practical infertility of their own conjectures. In the field of solving specific fundamental issues, mechanical physics has not yielded anything in the past 30 years. These enemies - the last Mohicans, long ago suffered a decisive defeat. " Vavilov S.I. Collected Works, vol. 3, ed. Academy of Sciences of the USSR, 1956 p. 35

The true goals of this decree were exposed by Professor A.A. Maksimov: "Confusion and falsehood ... are aimed at diverting the attention of the Soviet public from the basic question: do theoretical claims of modern physicists contain what Lenin called physical idealism ... The essence of the objections of the

academician A.F. Loffe is that while trying to determine his attitude to dialectical materialism he did not understand or did not want to understand the latter and slipped into the position of defending a whole series of idealistic, anti-Marxist positions ... Academician Loffe subjected a number of Lenin's fundamental principles to revision. He began to deny the existence of physical idealism, to reject the very term "physical idealism" and to defend Machism" The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 160. "

All this says only that the confusion of Academician A.F. Loffe is combined with a lack of directness, with cowardice, with a fear to speak directly and give a detailed argument in defense of the position on which he stands. "The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 167.

Returning to the fundamental disagreements of Academician V.F. Mitkevich and Academician A.F. Loffe, let us turn to the essence of the question.

Academician V.F. Mitkevich insists on holding a discussion on the philosophical problems of physics about the nature of physical interactions. On this subject he writes: "As is known, there are two points of view on science that mutually exclude each other: the point of view of action at a distance (without the participation of the material medium / author) and the Faraday-Maxwellian view that all interactions in nature they are accomplished only in the direct participation of processes occurring in an intermediate environment. The antagonism between these two points of view I have devoted in part or in full to a number of my speeches. At the same time, I formulated a question concerning the nature of the interaction of any two physical centers. This question, somehow diversifying its construction, I systematically asked my ideological opponents (A.F. Loffe, S.I. Vavilov, Y.I.

Frenkel, I.E. Tamm, V.A. Foka and others), who until recently also systematically evade a clear answer to it. "The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 154.

Academician V.F. Mitkevich and his supporters unequivocally define their position on this issue. So, academician V.F. Mitkevich writes: "From all the preceding it follows that the creation of a physical theory covering the widest range of phenomena is difficult and probably completely impossible on the grounds of denying the primary meaning of the medium and on the basis of objectifying action at a distance as the primary physical phenomenon. Until now, the general physical theory does not yet exist in a complete form. But one can legitimately express that in the future physical thought will return to the fundamental views of Faraday and Maxwell, develop them by taking into account all new achievements and complete the construction of a general physical theory ... in any case, the Faraday-Maxwellian point of view on the question of direct Participation of the environment in all physical processes is the only conceivable guiding thread for the further successful development of modern physics. Me and for sure all the ideological opponents of the group headed by academicians A.F. Loffe and S.I. Vavilov, object only to the erroneous methods of interpreting physical processes against those methods that lead to physical idealism, hamper the development of ideas that can correspond to the real nature of phenomena and therefore inhibit the further progress of physical science. "The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 146.

Let us now consider the views of a group of physicists headed by academicians A.F. Loffe and S.I. Vavilov. At the March session of the Academy of Sciences of the USSR (1936) V.A. Fock claimed: "... according to quantum mechanics, light and

gravitational quanta cannot even be strictly localized in space and time, so that it is not necessary to talk about the transfer of interaction from point to point through the intermediary medium". The journal "Under the Banner of Marxism", No. 11 - 12, 1937 p. 150.

To the same conclusion, Academician A.F. Loffe on the basis of conclusions from the theory of relativity: "The way out of these contradictions was found by Einstein in the theory of relativity: at the same time, the ether was thrown out of physics into the same weedy basket of history." The journal "Under the Banner of Marxism", No. 11 -12, 1937 p. 132.

So, Academician V.F. Mitkevich argues that "the only conceivable guiding thread for the further successful development of modern physics" is the concept of "the participation of the environment in all physical processes" and insists on holding a broad scientific discussion on this fundamental issue. On the other hand, Academician A.F. Loffe and his associates deny the participation of the corporeal substance - the material medium in the processes of physical interactions, based on the consequences stemming from the quantum and relativistic theories, and evade the discussion. To resolve the conflict let's turn directly to materialistic views on the substance of the issue under consideration.

Newton wrote: "To admit that one body can act upon another through emptiness without the mediation of anything that would convey action and force from one body to another, seems to me so great folly and absurdity that I do not think that a competent person in philosophical thinking could ever do it. " Krylov. Collection of works. 7, M-L. 1936 p. 41. As we see, this problem has a long-standing origin and Newton's materialistic position on this question is unambiguous. The outstanding achievements of material scientists at the turn of the 19th and 20th centuries made it possible to come close to

resolving the central problem of natural science and philosophy about the mechanical nature of physical interactions. Attaching exceptional fundamental importance to the solution of this problem, F. Engels wrote: "Interaction is the first thing that appears before us when we consider moving matter from the point of view of present-day natural science. Natural science confirms what Hegel says, that interaction is the ultimate cause of things. We cannot go beyond knowing this interaction precisely because there is nothing more to be learned from behind it. Once we have learned the forms of the motion of matter (for which we still lack a lot in view of the short duration of the natural science's existence), then we have learned the very matter and this exhausts knowledge. All the available to us nature forms a certain system, a kind of aggregate connection of bodies, and we understand here under the word body, all material realities, from the star to the atom and even the ether particle. In the circumstance that these bodies are in mutual connection, it is already that they act on each other and this is their mutual influence on each other and is precisely the movement. Every movement contains a mechanical movement, the movement of large and smallest parts of matter, the knowledge of these mechanical movements is FIRST (highlighted by F. Engels / author /) task of science. Therefore, it must be investigated first of all else. Whatever view to follow with respect to the structure of matter, there is no doubt that it is divided into a number of large, well-delineated groups with relatively different mass sizes, so that the members of the closest groups are regarded as infinitely large or infinitesimally small in the sense of mathematics. And nothing prevents everyone from assuming that in nature there must also be analogies for $d3x$, $d4x$ and so on. When mathematics operates with real values, it also accepts this view without further ado. But as soon as mathematicians take refuge in their

impregnable stronghold of abstraction, the so-called pure mathematics, all these analogies are forgotten ... The stupidities and absurdities with which the mathematicians explained so much, how much they apologized for this method, which leads in a strange way always to the correct results, surpass the worst, actual and imaginary fantasy of natural philosophy (for example, Hegelian), at the address of which mathematicians and natural scientists cannot find sufficient words to express their horror. They forget that all the so-called pure mathematics deals with abstractions, that all its strictly speaking values are imaginary quantities, and that all abstractions taken to the extreme become nonsense or in its opposite. "F. Engels. The dialectics of nature M. 1978, p. 236.

Affirming the materialistic methodology in solving the problem of physical interactions based on the concept of the participation of the material medium-ether, F. Engels welcomes the decisive progress emerging in the works of outstanding scientists in this direction: "... It was difficult to abandon the notion that there is something between the molecules of bodies Real. This is where the latest theories of Clerk Maxwell, Hankel, Renard, and Edlung come in accordance with the hypothesis advanced in 1846 by Faraday for the first time that electricity is a movement that fills all space, and, consequently, penetrates all the bodies of the elastic medium ..., in other words, that electricity is the movement of ether particles and that the molecules of bodies participate in this movement. In the underlying of their entire concept, decisive progress is noticeable: the notion that electricity is the movement of particles of the light ether permeating all the weighty matter affecting molecules of bodies. The ether theory gives hope to find out what is actually the real substratum of the electric movement which actually causes electrical phenomena for its own thing.

When we advance so far that we can give the mechanics of the ether, then, of course, much will enter into it which is now assigned to physics by necessity. "F. Engels. The dialectics of nature. M. 1978, p. 88.

However, this program was never implemented in its time in a form acceptable for physics. The reason for this was the falsification of the pseudoscientific fraudsters' identification of dialectical materialism with mechanism and the consequent identification of the strictest ban on scientific research of physical interactions' mechanical models. "Metaphysical materialists," triumphed "the victory" over dialectical materialism, one of the leaders of pseudoscientific frauds, ex-president of the USSR Academy of Sciences, S.I. Vavilov - in fact they were defeated and first of all by practice, concrete results of new physics and complete practical infertility of their own conjectures. In the field of solving specific fundamental issues, mechanical physics has not yielded anything in the past 30 years. These enemies - the last Mohicans, long ago suffered a decisive defeat. " But it is in this outright falsification and lies resides the main cause of the crisis in basic research! It was from this falsification that V.I. Lenin and F. Engels were warned. Of course it was impossible to do not know about this for this pseudoscientific swindler S.I. Vavilov. Consequently, S.I. Vavilov and others like him went on about the reactionary obscurantists in order to inflict a "decisive defeat" on dialectical materialism quite consciously. Exposing the falsification of pseudo-scientific swindlers, V.I. Lenin wrote: "What is the essence of this crisis? During the first two-thirds of the nineteenth century, physicists agreed with each other in all essentials. " Further V.I. Lenin quotes positivist Abel Ray whom according to V.I. Lenin, "one cannot be suspected of wanting to "slander" the idol of our Machists": "They believed in a

purely mechanical explanation of nature assumed that physics is only a more complex mechanics, namely molecular mechanics." It was a contradiction only with the methods of reducing physics to mechanics, about details of the mechanism. Today, the spectacle which the physico-chemical sciences showed us seems quite the opposite. Extreme disagreements have replaced the former unanimity and the differences are not in details but in basic and guiding ideas. If it were an exaggeration to say that each scientist has his own special tendencies, then it must be stated that like art, science, especially physics, has numerous schools, the conclusions of which often diverge and sometimes are directly hostile to one another...Therefore it is possible to see what is the significance and what is the breadth of what has been called the crisis of modern physics. Traditional physics up to the middle of the 19th century accepted that a simple continuation of physics is sufficient to obtain the metaphysics of matter. This physics gave its theories an ontological significance. And these theories were entirely mechanical. The traditional mechanism represented beyond the results of experience, beyond the results of experience, real knowledge of the material world. It was not a hypothetical expression of experience, it was dogma. " "Here we should interrupt the venerable" positivist," writes V.I. Lenin. It is clear that he is drawing us the materialistic philosophy of traditional physics, not wishing to name the trait (i.e. materialism) by name. Umist materialism must seem metaphysics, dogma, going beyond experience, etc. Not knowing the materialism, the umist Rey has absolutely no idea about dialectics, about the difference between dialectical materialism and metaphysical materialism in the Engels sense of the word. Therefore, for example, the ratio of absolute and relative truth is absolutely unclear to Ray."Critical remarks against the traditional mechanism," Ray continues to quote V.I.

Lenin," which were made in the second half of the nineteenth century, undermined this premise of the ontological reality of the mechanism. This critique affirmed the philosophical view of physics which has become almost traditional in the philosophy of the end XIX century. In this view, science is nothing more than a symbolic formula, methods of marking (designation, repérage, creation of signs, marks, symbols) and since these methods of marking are different in different schools, a conclusion was soon made that it is marked at the same time only the pre-created (façonne) by man for notation (or symbolization).

Science became a work of art for amateurs, a work of art for utilitarian's: points of view that naturally began to be interpreted everywhere as a denial of the possibility of science. Science, as a purely artificial means of influencing nature, as a simple utilitarian technique, has no right to be called a science, if not to distort the meaning of words. To say that science cannot be anything other than such an artificial means of influence means to deny science in the present meaning of the word. The failure of the traditional mechanism, or rather, the criticism to which it was subjected, led to the following proposition: science also collapsed. From the impossibility of sticking to a simple and exceptionally traditional mechanism, we concluded that science is impossible. "Consequently," V.I. Lenin notices - philosophically the essence of the "crisis of modern physics" is that the old physics saw in their theories" real knowledge of the material world," that is, reflection of objective reality. The new trend in physics sees in theory only symbols, signs, marks for practice, i.e. deny the existence of an objective reality, independent of our consciousness and reflected by it. If Ray had kept the correct philosophical terminology he would have to say: the materialistic theory of knowledge, spontaneously adopted by the old physics, gave way to the idealisti...The

essence of the crisis of modern physics is the breaking of old laws and basic principles, in rejecting the objective reality outside consciousness, that is in the replacement of materialism by idealism and agnosticism. "Matter has disappeared" - this is how one can express the basic and typical difficulty of many private problems that created this crisis. "In the question of the cause of crisis in the field of philosophy and natural science, Engels naturally stood on the same lines as V.I. Lenin: "For some time now," writes F. Engels, "philosophical, especially natural-philosophical systems grow like mushrooms after rain, not to mention countless new systems of politics, political economy and so on. Just as in the modern state it is assumed that every citizen is capable of judging all those issues on which he has to voice his voice; Just as political economy is based on the assumption that every buyer is also an expert on all those goods that he has to buy for his life, like now it is considered that in science one should also adhere to the same assumption. Everyone can write about everything, and "freedom of science" is understood precisely as a person's right to write especially about what he did not study and to give it out as the only strictly scientific method. And Mr. Duhring is one of the most characteristic types of this cheeky pseudo-science, which nowadays comes to the fore everywhere and drowns out all the rumbling of his lofty gossip. Venerable idle talk in poetry, in philosophy, in political economy, in history, lofty gossip from the pulpit and rostrum, lofty gossip everywhere, lofty gossip with a claim to superiority and thoughtfulness...One cannot now take in the hands of almost any theoretical book on natural science without having received such an impression from reading it that the naturalists themselves feel how strongly this disorder and confusion reign over them, and that the philosophy currently in circulation does not give absolutely no way out. And here there is really no other

way out, no other possibility, except a return in one form or another from metaphysical thinking to dialectical thinking. "Aware of all the disastrousness for science and civilization of the disorder and confusion in the basic questions of natural science and philosophy, from which F. Engels warned, V.I. Lenin "created the greatest work "Materialism and Empirio-Criticism," the value of which is invaluable. It is in the light of this work that we must consider the issues of determinism and indeterminism, the difference between micro- and macrophysics, the foundations of quantum mechanics and the theory of relativity," wrote the outstanding scientist and encyclopedist John Bernal. In the development of the Engels critique of fashionable idealistic trends, Lenin continues: "A number of writers who want to be Marxists have taken a real campaign against the philosophy of Marxism this year. In less than six months, four books were published, devoted mainly and almost entirely to attacks on dialectical materialism. These include, first of all, "Essays on (it should have been said: against) the philosophy of Marxism", SPB., 1908, a collection of articles by Bazarov, Bogdanov, Lunacharsky, Berman, Gelfond, Yushkevich, Suvorov; Then books: Yushkevich - "Materialism and critical realism," Berman - "Dialectics in the light of the modern theory of knowledge," Valentinova "Philosophical constructions of Marxism."

All these people cannot but know that Marx and Engels have called their philosophical views dozens of times with dialectical materialism. And all these persons united in spite of sharp differences in political views are hostile to dialectical materialism, claim at the same time that they are Marxists in philosophy! Engels's dialectic is "mysticism," says Berman. Engels' views are "out of date", - in passing, as something self-evident, Bazarov throws, - materialism turns out to be disproved by our brave soldiers who

proudly refer to the "modern theory of knowledge", to "modern philosophy" (or "new positivism"), to "The philosophy of modern natural science" or even "the philosophy of natural science of the XX century." Relying on all these supposedly new teachings, our fighters of dialectical materialism fearlessly negotiate to direct fideism, but they immediately lose all courage, all respect for their own convictions, when it comes to the direct definition of their relationship to Marx and Engels.

In fact, a complete renunciation of dialectical materialism, i.e. of Marxism. In words, there are endless evasions; attempts to circumvent the essence of the matter, to cover up their retreat, to place one of the materialists in the place of materialism in general, a resolute refusal to directly analyze the countless materialist statements of Marx and Engels. This is a real "rebellion on the knees," according to the just expression of one Marxist. This is a typical philosophical revisionism, for it is only the revisionists who have earned themselves a sad glory by their deviation from the basic views of Marxism and their fear or their inability to openly, directly, decisively and clearly "pay off" with abandoned views. However, in the Essays on the "philosophy of Marxism" there is one phrase that is similar to the truth. This is Lunacharsky's phrase: "maybe we are mistaken, but we are looking for it". That first half of this phrase contains an absolute, and the second - a relative truth, I will try with all the thoroughness to show in the book's proposed attention to the reader. Now I will only note that if our philosophers spoke not on behalf of Marxism but on behalf of several "searching" Marxists, they would show more respect to themselves and to Marxism. As for me, I am a "seeker" in philosophy too. Precisely: in the present notes, I set myself the task of finding out what the people have gone mad about, presenting in the guise of Marxism something incredibly incoherent, confused

and reactionary. "Consequently, the accusations of Professor A.A. Maksimov in pseudoscientific fraud and unscrupulousness of Academician A.F. Loffe is fair and indisputable. As one would expect "undoubted materialists" - the heirs of A.F. Loffe of the Academy of Sciences surpassed his teacher: "Development of modern physics have led to the collapse of the notion of **corporeal substance** ... and it turned out that the electromagnetic field - is a special kind of reality that **does not require real support.**" But according to the definition of Engels: "**Matter** as such is a pure creation of thought or abstraction. We abstract from the qualitative differences of **things that unite them as bodily existing under the concept of matter.**" "We have two philosophical directions in the question of causality facing us," writes V.I. Lenin. One "pretends to explain **things by corporeal causes**" - it is clear that it is associated with "absurd" and refutes Bishop Berkeley "doctrine of matter". Another reduces the "concept of cause" to the notion of "mark or sign", serving "for our information" (by God). With these two directions in the costume of the twentieth century we will meet when analyzing the attitude to this issue of machism and dialectical materialism."Exposing the idealistic essence of such statements, denying the corporeal substance - matter, V.I. Lenin wrote: "The materialist Fridrih Engels **constantly and without exception** speaks in his works of **things** and their mental images. **It would seem that this "basic view of the philosophy of Marxism" should be known to everyone who talks about it and especially to everyone who speaks in the name of this philosophy in the press.** But because of the extraordinary confusion contributed by our Machians, it is necessary to repeat the well-known ... And this "**only materialistic view**" Engels holds **everywhere and without exception. From things to go to**

feeling and thought? Or from thought and sensation to things? The first, i.e. Materialist, the line is held by Engels. The second, i.e. idealistic, by Mach. No evasions, no sophisms (which we have met a lot) can remove the clear and indisputable fact that the teachings of Mach **of things as complexes of sensations** (or with a modern twist, **if not physical, not the real essence / author /**), **is a subjective idealism** and a simple rehash Berkeleianism ". The misfortune of the Russian Machists, who decided to" reconcile "Machism with Marxism, is what it is," he wrote. Lenin - that they trusted once the reactionary professors of philosophy and, trusting, rolled on an inclined plane. The methods of composing various attempts to develop and supplement Marx were very simple. Read Ostwald, believe Ostwald, retell Ostwald, call it Marxism. They will read Mach, believe Mach, retell Mach, call it Marxism. They will read Poincare, believe Poincaré, retell Poincare, call it Marxism! *Not a single one* of these professors, who are capable of making very valuable contributions in the special fields of chemistry, history, physics, *can be trusted one iota* when it comes to philosophy. Dietzgen-father expressed correctly, clearly and clearly the main point of view of Marxism on the philosophical trends prevalent in bourgeois countries and used among their scientists and publicists, saying that the professors of philosophy in modern society are in most cases, in fact nothing more than a "Graduated lackeys of clericalism". Nevertheless, with the incomprehensible stupidity and absurdity of people who have gone crazy, the materialistic approach to solving the problem of physical interactions on a mechanical basis "was not understood", ignored and rejected by pseudo-scientific swindlers. And all this despite the fact that on a materialistic approach everything was insisted on by Einstein's natural science and the classics of dialectical materialism, as well as by

warnings and devastating exposures by F. Engels and V.I. Lenin pseudoscientific idealistic reactionary inclinations. In this regard, Academician S.I. Vavilov explicitly says: "Almost from time immemorial, from Democritus and Epicurus, through Archimedes, Descartes, Galileo, Newton, Faraday, Maxwell, Helmholtz to Hertz, Kelvin and Rayleigh **clearly dominated by the desire to create a mechanical picture of the world ...** According to the representative of the great Classical mechanics V. Thomson: "The true meaning of the question: do we understand or do not understand the physical phenomenon? - reduces to the following: can we build our own mechanical model or not? ". The new facts were, however, and now remain in this sense (in the sense of dialectical materialism / author /) incomprehensible. The collapse of the mechanical worldview and the enormous growth of mathematical symbols attracted physicists either to the stubborn, obstinate aversion of the new physics, hopeless attempts at a mechanical explanation of non mechanical phenomena or to idealism of different forms and shades. Other ways, if we talk about the spontaneous roads of experimenters who did not think about the methodological lessons of the new physics, was not. "Vavilov S.I. Collected works. T. 3, ed. Academy of Sciences of the USSR, 1956 p. 26.

In this way, SI. Vavilov frankly confesses his betrayal and flight through misunderstanding, or rather, a reluctance to understand dialectical materialism to idealism of different forms and shades. These are truly materialistic views on the merits of the question under consideration, which affirm the mechanical program of scientific research in terms of the concept of a material medium - either, fully confirming the views of Academician V.F. Mitkevich and unconditionally rejecting as philosophically untenable phenomenological positions of his ideological opponents, headed by

academicians A.F. Loffe and S.I. Vavilov. Consequently, accusations of Academician V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimov in positivism and in the revision of dialectical materialism do not correspond to reality. Now it is not difficult to guess the reasons for refusing to hold a scientific discussion and the purposes of the provoked ban. So, having dealt with the "metaphysical materialists", "these enemies are the last Mohicans who have long suffered a decisive defeat", to which, first of all, according to the assurance of the Loffe-s, F. Engels, V.I. Lenin, as well as the greatest material scientists of all time and people, Academician S.I. Vavilov, Academician A.F. Loffe and Co. moved "to idealism of different forms and shades" because "there were no other ways ...!"

It is in this unscrupulousness, in fear of directly, resolutely and clearly reckoning with dialectical materialism, that the essence of prohibitions and refusals is the essence of the untenable accusations of Academician V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimova from the side of the group headed by academicians A.F. Loffe and S.I. Vavilov, in his own sins - in the revision of dialectical materialism and positivism. So should we go back to a seemingly closed issue? In our opinion, it is necessary! For even today the position of the Presidium of the Academy of Sciences of the USSR, which accepted in the sixties a decree prohibiting discussion in scientific circles of criticism of the philosophical inconsistency of the quantum relativistic subconscious, does not differ from Loffen revisionism. This prohibition promotes a peremptory attack on the foundations of Marxist-Leninist philosophy and has become a brake on the development of science. It is obvious that the philosophical inconsistency of the quantum-relativistic subconscious is not a secret for the academic elite. For decades, numerous articles containing indisputable proofs of

the idealistic-antiscientific nature of these theories as well as the work of materialistic content successfully solving the problems of physical interactions are rejected as "not at the present level and not of scientific interest" without any scientific justifications. And this discrimination with respect to the work of materialistic content is not even concealed: "To this day, articles have arrived with attempts to disprove the validity of the theory of relativity. These days, such articles are not even considered as clearly anti-scientific" - Academician Kapitsa P.L Experiment theory of practice. M. 1978, p. 201.

Despite the official ban, the struggle with the unscrupulousness of the ruling elite is not stopping at the present time. Here are some episodes of this unequal struggle. For several years, the journal Inventor and Rationalizer periodically publishes O. Gorozhanin's articles, which testify to the inconsistency of the theory of relativity. Turning to academic institutions, the editorial office asks: "Bring the Cityman to clean water. Please, no restrictions except one: it is blurring the ignorant to the wall to be seen, of course the rest of the ignorant - because they are **clearly thousands and maybe millions...** Nothing happened. Three years they fought: they promised everything, promised to give the readers an answer ... And physicists are already threatening with threats: say, arrange a discussion - get a feuilleton and even with such a signature that ... In a word, it's better not to get involved even if the readers ask. The situation is worse than in Kipling's Elephant. Elephant's relatives pounded for his unbearable curiosity but here we promise to beat, that is, the rostrum with which the Elephant appears. " Journal. "Inventor and rationalizer", No. 8, 1988 p. 20.

Dear editorial staff, do not worry, these are the true methods of the "scientific polemics" of the L-s. They simply do not

know others. In 1988, a brochure by V.I. Sekerin: "Essay on the Theory of Relativity" published at the expense of the author's funds which gives experimental and experimental proofs that refute relativism. On the basis of these conclusions, the author comes to the conclusion that "we must at last manifest civil courage and call everything here by their proper names:

- A) The theory of relativity is an ideological diversion in materialistic philosophy; it undermines the foundations of the Marxist-Leninist worldview.
- B) This theory has become a brake on the world science, it cannot objectively explain the phenomena of nature and it must be recognized that the laws and relationships established by it have not been scientifically substantiated. "V.I. Sekerin Essay on the theory of relativity. Novosibirsk, 1988, p. 38.

On a meaningless anonymous libel about the publication of the brochure V.I. Sekerin published in Literaturnaya Gazeta on February 15, 1989, "In just twenty kopecks or another experience of unscientific polemics" the readers responded with numerous protests against the editors demanding a refutation and in support of V.I. Sekerin. Finally, in Vilnius, a booklet by Professor AA was published. Denisov: "Myths of the theory of relativity," in which the author also comes to the conclusion about the inconsistency and the idealistic essence of the theory of relativity, that "the main sin of relativism is the rejection of the ether, that is, the material medium through which physical interactions are realized." Denisov A.A. Myths of the theory of relativity. Vilnius, 1989. p.39. It is easy to imagine the reaction of the academic elite to this publication. After all, the brochure sold fifty thousand copies (!),

spreading the truth about the theory of relativity, as the "new dress" of the Naked King. It will be necessary for an academic "tailor" if the Soviet public finds out what and to whom billions of people's money go. Farewell then privileges, titles, theses, institutes, laboratories, magazines ... Oh no! "We must defend the academy from attacks," from "the main danger on the theoretical front" - dialectical materialism. And so, at the Annual General Meeting of the USSR Academy of Sciences, their indignant voices are heard: "We must defend the academy from attacks. Take the newspaper Science in Siberia. It is probably **in ignorance** of published articles against the relativity theory ... Another example. In "Literaturnaya Gazeta", an interview with Professor A.A. Denisov, according to my information, he is almost the chairman of the Commission on Ethics in the Supreme Soviet of the USSR. This interview-**miracle ignorance and ugliness**. It demonstrates that the professor does not understand the theory of relativity at all ... This is fraught with the fact that a new stream of reproach of science is provoked. But even so the situation is difficult, only you can hear: scientists are to blame for everything. Our task is to establish the high authority of science "- Academician A.D. Alexandrov. Bulletin of the Academy of Sciences of the USSR. № 7, 1990 p.126.

As for: "the scientists are to blame for everything" - then Academician A.D. Alexandrov is absolutely right - "... the hat is on fire." But concerning: "to confirm the high authority of science" - then does the Biblical scholar intend to "confirm the high authority of science"? "Indeed, the chairman of the Ethics Commission is Professor Denisov, who is the enemy of the theory of relativity. I advised the leadership of the Supreme Council that was elected Chairman of Human Ethics Committee, which is in

some sense **an enemy of science**, occupies a **position** as **pseudoscientific** is unacceptable ... Read the interview in the "Literary Gazette," it is not tenable from a moral point View "- Academician V.L. Ginzburg. Bulletin of the Academy of Sciences of the USSR. № 7, 1990 p.126.

I believe that the excitement of academics in connection with the election of Professor Denisov is understandable. If a "highly scientific" arguments: **"ignorance," "miracle illiteracy disgrace", "an enemy of science", "pseudoscientific positions"** - borrowed from the ideological mentor Academician A. F. Loffe, in the absence of other evidence - to add that Professor Denisov ("Pluralism and Myths") said in an interview with "Literaturnaya Gazeta" on 28.02.90 that the opponents demanded the dismissal, deprivation of a doctor's degree, a recall on the grounds that Professor Denisov cannot be a deputy, since not so Understands the theory of relativity, then Recognize that the pluralism of opinions in our science really remains only a myth. "A variety of persecutions are continuing in the cooperative that sells my book," writes A.A. Denisov - he is threatened with "destroying, if he does not stop selling my" Myths. Let us leave on the conscience of the academicians a professional ethic that "does not stand up to criticism from the moral point of view" - it is clear that they are not up to that - and we will repeat the only question that for 60 years they do not have enough words to answer: Interactions, the material medium is a corporeal substance? It should be envied that in the "ignorant", "illiterate," "enemy of science" Professor A.A. Denisova was picked up by a good company, as the deadlocked situation in which the quantum-relativistic subconscious mind led the science is recognized today by the world's greatest scientists, including the Nobel Prize winners: Heisenberg, Lenard, Yukawa,

Schroedinger, Alwen, J. Bernal, Landau, and See also: N.E. Zhukovsky, K.E. Tsiolkovsky, Nikola Tesla, Henri Poincare, Hendrik Lorentz, Ernst Mach, Albert Michelson, Herbert Ives, Alfred O. Reilly, Frederick Soddy, G. Israel and there is no number for them... Anticipating the publication of Professor AA. Denisov "Myths of the theory of relativity," Nobel Prize winner H. Alven reveals the antiscientific nature of this theory: "The less scientific evidence exists, the more fanatical is faith in this myth. As you know, this cosmological theory is the height of the absurd - it claims that the entire universe arose at some particular point, like an exploding atomic bomb measuring (more or less) a pinhead. It seems that in the present intellectual atmosphere the enormous advantage of the cosmology of the "big bang" is that it is an insult to common sense: credo, quia absurdum ("I believe, for it is absurd")! When scientists fight against astrological nonsense outside the "temples of science," it would be nice to remember that even worse nonsense is sometimes cultivated within these walls. "The future of science. Digest of articles. M. "Science". 1979 p.64.

The world-famous scientist William Macmillan also holds the same view: "We, the modern generation, are too impatient to wait for something ... after Michelson's attempt to find the expected movement of the Earth relative to the ether, we abandoned everything that we were taught before, created a postulate, the most senseless of all that we could only come up with and created a non-Newtonian mechanics consistent with this postulate. The success achieved is an excellent tribute to our mental activity and our wit, but there is no certainty that our common sense ". M. Gardner. The theory of relativity for millions. M. 1976 p. 112.

This is nonsense and absurdity of quantum-relativistic subconscious, from which Engels warned and VI Lenin did not escape from themselves and the creators of quantum mechanics. Thus, Schrödinger takes impasse in theoretical thinking "for philosophical exaltation, despair for a step in the face of a major crisis." Schrodinger *Unsere Vorstellung von der Materie* Gent. 1952 s. 37. In this connection Heisenberg exclaims: "Is nature really can be as absurd as it seems to us in these atomic experiments? Is it true that is found in nature only such experimental situation, which is expressed by the mathematical formalism of quantum theory? ". *Philosophical questions of modern physics*. M. 1950 p. 23.

"There is a philosophical question: does the abstract formalism of the quantum theory of a satisfactory picture of the phenomena? In my opinion, he does not give. In this opinion I am not alone. " J.A. Smorodinskii. *About modern physics* teacher. M. 1975 p. 72. "In modern physics - echoes Hungarian Academician Ludwig Yanoshi - there are many issues that must be resolved philosophically. We cannot avoid this decision, because for the further development of science requires a certain position in this matter. Such questions is the choice between the solutions of Einstein and Lorentz positions or between the orthodox quantum theory and attempt a causal interpretation. In both questions, of course, most physicists believed actually found a solution. But lately, getting louder voice doubting that whether correctly found in its decision time. This is - a serious problem, which is necessary to take a stand, and it is obvious that for the further fruitful development of physics is very important that the correct position has been found. What can be risky for the dogmatic physics and possibly incorrect position in a particular issue, it shows us a retrospective look at the history of the kinetic theory of gases Boltzmann. In

Boltzmann's been the greatest difficulties with the recognition of his brilliant theory. Counter-arguments against his theory, which from a modern point of view looks perfect and almost obvious place on the surface of philosophical argumentation. It criticized the fact that **it makes no sense to use the heat of a mechanical model**. Let us quote here from the Boltzmann book: "If the history of science shows how certain theoretical generalizations are often found to be false, it cannot be whether the currently fashionable trend, negatively related to any special ideas, as well as recognition of the qualitatively different forms of energy, be a step backwards? Who can predict the future? Therefore, the wider the road each direction, away from any dogmatic in atomistic and anti atomistic sense! ". Situation today resembles the situation in the Boltzmann times. Today is also certain dogmatic conceptions spread. I would like here to exclaim with the Boltzmann: who can predict the future? But perhaps it is a result of a tragic accident with Boltzmann, we will learn prudence; I, on the other hand, today reject dogmas. And every physicist must see clearly, that today we, the physicists must take a position on the fundamental questions and that the right or wrong direction of our work is associated with the final result depends on our correct or incorrect position in these philosophical questions. " *Philosophical questions of modern physics*. M. 1950 p. 78.

Academician L. Yanoshi rightly points out that it is philosophically antagonistic confrontation, in denying the idealistic materialism is the essence of the crisis in theoretical physics. In this regard, the Boltzmann despair and suicide is not an accident. Anti-scientific forces will not learn to be careful. This is a natural process of dying struggle, ready to commit any crime to science and humanity, steeped in lies and unscrupulousness of idealism. Bullying and harassment modern

Boltzmann: Denisov Sekerin, advanced editions of magazines - the clearest proof. The history of science is replete with examples of this kind. Here is another one: "In 1845, work Waterston was introduced to the English Academy of Sciences, - writes J.A. Smorodinskii. - It has been shown that the gas pressure on the vessel wall can be explained blows atoms. Although the idea that the gas consists of atoms, was not new, few take seriously the claim that atoms can fly freely from the wall to the vessel wall, and the elastic properties of the gas can be reduced simply to the **classical mechanics** of atoms. Waterston Jobs did not like the members of the scientific community and was rejected by them. Only many years later, it was found in Raleigh archive and published in 'Philosophical messages of the Royal Society "magazine in 1892. Raleigh, among other things, noted that Waterston enrolled in hindsight, is not told in the beginning of his predecessors. Meanwhile, even Bernoulli in 1727I wrote gas pressure communication with the square of the velocity of its particles. If Waterston mentioned his great predecessor, the way he wrote Raleigh, reviewers at the Royal Society would not have the courage to declare the work of "senseless, even unsuitable for reading to the public." This sad episode of expensive cost physics ... This story is instructive. " J.A. Smorodinskii. About modern physics teacher. M. 1975 p. 9.

Instructive it? ... But not for the Academy of Sciences of the USSR! For even Raleigh could not anticipate that 150 years later, a similar work successfully solves the problems of physical interactions coming from the mechanical concept of a material medium - the ether, which mention the names of all his great predecessors scientists and materialist philosophers and provides irrefutable evidence of philosophical and natural science insolvency quantum-relativistic

subconscious will boldly and categorically rejected by reviewers, Academy of Sciences of the USSR, "but are at the present level not of scientific interest "?! On this occasion, Professor V.V. Cheshev writes: "... study the Lorentz model and the Einstein model for the physical justification for the Lorentz transformations are equally ephemeral. It seems to me that the debate should not focus on the longer distance traveled oppositions Lorentz model, the Einstein model. We need a search of the third way, for this would be followed, including the appeal to the ideas of the Ritz, forgotten because of the dogmatic worship of Einstein's model. The search for alternative ways of building electrodynamics actually never stopped. On this quest, we do not know only for the reason that the orthodox science puts an impassable barrier to such research to journals and publishing houses. Just open the possibility of publishing no relativistic work to get ready-made electrodynamics, which will eliminate the problem hopeless, for the sake of a phantom solution of which need either a little or a lot of both "restructure their thinking." Everything is very simple. It is necessary that uncles who are accustomed to penetrating their house through the chimney are allowed to approach the door which they so stubbornly guard against wanting to touch the input handle. Then it turns out that the door was not locked and the habit of climbing into the pipe just an amusing oddity. Protective **ban on alternative - that's the reason ...**"! Newspaper "Science in Siberia" on 07/28/89, 07/28/89 so vividly described the state of self-imposed problems and suggested natural remedy from now artificially created crisis Professor V.V. Cheshev and could not agree more. Hopelessness pushes idealist's desperation resistance to strengthen the attacks and a strict ban on the materialist views. And if yesterday this fights took

place on the atomic and molecular level through the molecular-kinetic theory of gases (which has won a landslide victory over idealism, thanks to the mechanical theory Waterston and Boltzmann), today it is just moved to a new and probably the last frontier of idealism - quantum-relativistic subconscious. Let us sum up. Charges academicians A.D. Alexandrov and V.L. Ginzburg in **"ignorance"** and **"pseudoscientific positions"**, remarks against Professor A.A. Denisova, as well as accusations of academicians A.F. Joffe addressed academicians V.F. Mitkevich, professors A.K. Timiryazev and A.A. Maksimov **"unworthy slander"**, **"lethal ignorance"**, **"physical ignorance"**, **"cheeky illiteracy"**, **"scientific backwardness"** and so on - are untenable for the simple reason that their views are not only all previous naturalist and materialist philosophers but also outstanding contemporary scholars. And the inability of the Academy of Sciences deny revelations in the insolvency of quantum-relativistic subconscious townsman Sekerin, Denisov and many other scientists, as well as the existing strict ban on dissent and fear in conducting scientific discussion, give the hopelessness of their position. So that all the "epithets" which Academicians A.F. Ioffe, A.D. Alexandrov and V.L. Ginzburg "awarded" his opponents may be full, and deservedly so, returned to the authors. Rejecting the failure of Einstein's relativity, Heisenberg determines the program of building a new physical theory:

"A Unified Theory of field could be the subject of speculation for Einstein; to this day it is absolutely necessary theoretical physics. Of course, one might ask whether this theory is a unified field theory or any other mathematical tools are more suitable to describe the experiments. But this future theory must be united, embracing the totality of empirical fields. In the present

state of physics we are still far from a complete solution of all the problems ... But the program ... has retained its philosophical strength in spite of, or rather, thanks to all the new experimental data on elementary particles and this program (against which so actively resists Academy Science in the face of academicians Aleksandrov, V.L. Ginzburg / author /) offers perhaps **the most exciting area of research of our time.** "Einstein collection. 1969-1970. M. "Science." 1970, p. 93, 96.

Summarizing the opinions of scientists about the ways to implement the exit program from the created quantum-relativistic subconscious crisis, Heisenberg states: that "desirable would be a return to the concept of the reality of classical physics, or, speaking more generally, to the ontology of materialism, in other words, to the idea of an objective real world." Nils Bohr and the Development of Physics. p.16.

So, "With all due respect to the scientific community - he writes Professor in Krasnoyarsk - you cannot get rid of the horrible thought that it had been misled (which has a number of inside and outside the scientific reasons), that his head was wearing a fool's cap relativism. Aware of this painful and humiliating, but a bitter and difficult path of purification necessary science! ". Journal. Inventor and innovator. No 7, 1990 p.23.

Summarizing elephants G. Khromov, note the following: "Our own science, especially its base - the fundamental science, is now in critical condition ... Soviet science ... should be protected from itself, from its unsustainable organizational structure, from its bureaucratic monopoly infected nomenclature." The newspaper "Izvestia" article "Science needs protection" from 08.23.89, the Based on the foregoing, in the science of salvation

addressed to the Soviet public, the Supreme Soviet of the USSR to support the demand for the establishment of the Commission of the Supreme Soviet of the USSR to investigate the anti-scientific activity of academician A.F. Joffe group and his ideological heirs, as well as scientific rehabilitation of Academician V.F. Mitkevich, professors A.K. Timiryazeva A.A. Maksimov and their comrades on the immediate abolition of the Presidium of the USSR Academy of Sciences shameful, discriminatory regulations prohibiting the publication of works of the materialist content to hold broad scientific discussion on the philosophical problems of natural science and modern physics. Today pseudoscientific swindlers dropped the mask "undoubted materialists." The main aim of modern "graduated flunkeys of clericalism" is the destruction of dialectical materialism and the substitution of scientific knowledge obscurantism and religious ignorance. Those vices sublime nonsense, ignorance and incompetence in philosophical thinking, which warned of Friedrich Engels and V.I. Lenin, captivated today the official academic publications in the field of fundamental research. Academy of Sciences welcomes any extravagant ideas of mystical and religious enthusiasm, only to return to the dialectical materialism was not in sight.

Our modern "graduated flunkeys of clericalism" of the Russian Academy of Sciences so surpassed their predecessors, which sunk in its stupidity and absurdity to the point of absurdity:

"Everything created one God is one. If there is one God, a single fish, then there is a single object of study ... The world is one and the unknowable human intelligence because, and only because there is one God who created the single crafts and the world, and man, and that's why there is a single object of study. " President of the Russian Academy of Sciences Osipov

Y.U., vice president of Forts VE Interview with the Moscow weekly "Search», No 13, 1998.

March 10, 2000 at a conference on cooperation between the Russian Orthodox Church and the scientific centers V. E. Fortov on behalf of the Academy of Sciences gives research centers under the control of the Russian Orthodox Church: "In addition to knowledge and explanation of the world and man in it, there is another, even more important side contact areas of science and religion. This is - the moral law - the commandments formulated two thousand years ago in the Sermon on the Mount. The practice of totalitarian regimes clearly demonstrated the consequences of the attempts to replace these commandments on the other. In our society there was a certain vacuum in the spiritual life, which quickly filled with perverted ideas, primitive superstition, anti-scientific and pseudo-scientific ideas. It is important to unite the efforts of scientists and ministers of the Church to combat quackery irresponsible followers of these beliefs and pseudo pseudo teachings ... In our **materialistic** (!!!) Century serious scientists can only deeply religious people. "There is no limit to hypocrisy and lies at RAS "graduated flunkeys of clericalism". As you can see, Osipov, President and Vice-President of the Forts lie with even greater arrogance than their ideological mentor, Academician A.F. Loffe.

April 26, 2000 President of the Russian Academy of Sciences Yuri Osipov, president of RAO N.Nikanorov, Rector of Moscow State University Sadovnichy and patriarch of the ROC MP Alexei Rediger publish an open letter against the secular education where defame atheism and require the introduction of Orthodox theology in schools and universities. Shybko believer RAS President Yuri Osipov said the Presidency podium in

2000: "I really liked the expression of Eduard Pavlovich Kruglyakov-" hydra pseudoscience "- better than you can imagine. Win this many-headed monster is difficult, because in place of the severed head he grows new; it spreads infection and absorbs minds. "But right Kruglyakova and Osipovy about "hard to beat"! No matter how much chop the head scientist - truth is always absorbed, absorbs and will "absorb the minds", no matter how zealous bigots RAS - inquisitors. "Our Russian intellectuals, who love to consider themselves progressive - wrote about these pseudoscientific frauds V.I. Lenin - as, indeed, and their counterparts in all other countries, is very much averse to shifting the question to the plane of the assessment, which is given to the words of Dietzgen. But they do not like this because the truth stabs those eyes. It is enough to think about anything in the state, then the overall economic, social and every other kind of dependence of modern educated people on the ruling bourgeoisie to realize the absolute correctness of Dietzgen's scathing description. Suffice it to recall the vast majority of the fashionable philosophical trends that arise so frequently in European countries, starting with at least those who were associated with the discovery of radium and ending with those who now seek to cling to Einstein,- to represent the connection between the class interests and class position of the bourgeoisie, its support for all sorts of forms of religious and ideological content of the fashionable philosophical trends." First obscurantists by lies and falsifications were trying to hide his foolishness, the absurdity lies and reactionary nature. Now ignorance of the fundamental questions of natural science and philosophy is demonstrative, and madness has become for them the criterion of truth: "This theory is not so crazy to be true" - they claim, rejecting dialectical materialism. Today's academics and Nobel Prize winners, in general, is not in

harmony with the philosophy and the natural sciences - scientific knowledge, they simply do not recognize, because they prevent them to spread "even worse nonsense, the height of absurdity and insult to common sense." For example, Nobel laureate Steven Weinberg admits frankly, in the publication of "Dreams of a Final Theory" that he was "against the philosophy." "My thought - invents anti-philosophical quantum-relativistic subconscious S. Weinberg - lies in the fact that the philosophical principles, generally speaking, we do not provide the correct bias. In search of the ultimate theory of physics reminiscent of more dogs than eagles: we squirm, sniffing all around in search of traces of beauty, which we hope to find in the laws of nature, but it is unlikely we would be able to see the path to the truth from the heights of philosophy ... do not expect that. Philosophy of science can give into the hands of modern scholars some useful guidance on how to work, or that it would be desirable to detect. The thing is - it is not clear where the physicist can use knowledge of philosophy, except in cases where the study of individual works of philosophers helps us to avoid the mistakes of other philosophers. In reaching this conclusion, I have to honestly admit its limitations and partiality."Exhaustive description of pseudoscientific swindlers. They can really create nonsense, to bark - slander; bite - to expel opponents of the Supreme Council to deprive the scientific degrees and titles, prohibit teaching activities, prohibit the publication and dissemination of works of scientific content, for example, it spreads its Academy of Sciences with my friend A. Denisov - the chairman of the Supreme Soviet of the USSR Commission on the Ethics forcibly hone in psychiatric hospitals, according to A. Bronstein ; Finally, even a tear - physically destroy - for example, because they acted with A.I. Reed, John Forbes Nash, Jr., my friend Stefan Marinov, pushing it out of the

library window and many other outstanding scientists, dared not understand the theory of relativity. But to create something of value - useful for science and mankind from the point of view of the "notorious common sense," as they casually expressed, cannot. I did not pass it to this characteristic and himself - "honestly admitted his limitations and partiality." "So, - continued to broadcast anti-philosopher - a substance loses its leading role in physics: all that remains - this symmetry principles and different ways of converting the wave functions under the influence of symmetry transformations. Even after the triumph Newtonianism mechanistic tradition continued to bear fruit in physics "- forced to acknowledge the anti-philosopher." Theory of electrical and magnetic fields, - it continues - XIX in developed. Michael Faraday and James Clerk Maxwell were framed in shape and laid out mechanistic using the concept of pervasive voltages in the physical environment, often called ether. Physics of the XIX century. behaved is not stupid - to move forward, any physicist in need of some quality outlook and mechanistic world seemed in those years is no worse than other views. Unfortunately, this world lasted too long. The final turn from the mechanistic to the electromagnetic theory occurred in 1905, after Einstein's special theory of relativity, rejected the ether and replaced it with an empty space - the environment, the transfer pulses of electromagnetic waves. But even then, the mechanistic view of the world hung over the older generation of physicists. In addition, the mechanism has spread beyond science and settled down there, bringing a lot of trouble later scientists. In the XIX century. the heroic tradition of mechanism was, unfortunately, included in the system of dialectical materialism of Marx and Engels and their followers. Lenin, in exile, wrote in 1908 a book about materialism rant, quotations

from it have become scripture to his followers, so that while dialectical materialism stood in the way of recognition of the general theory of relativity in the Soviet Union ...But now we're stuck. Years since the mid-1970s, were the most barren in the history of physics. It is safe to say that now we have a final theory, and it seems that she is not coming soon. But from time to time we catch hints of what to her is not too far away. "Not only "not too far" - it has long been established, only bigots its emphasis not notices, ignore, prohibit and prevent her sane humanity. Open your eyes - anti gentlemen philosophers. You are stuck because, in their ignorance, neglecting and rejecting the philosophy and science, had driven up a blind alley, turned it into a "height of absurdity and nonsense even worse." And these seemingly elementary truths of dialectical materialism categorically reject pseudoscientific swindlers, spreading instead of "the worst real and imaginary fantasy ... and nonsense." In general, so things really stand. But they, the dogs, do not understand. In one, they are absolutely right. Before eagles: Newton, Marx, Engels, Lenin and all the outstanding scientists of all times and people they do not reach. They are, in fact, - a pack of rabid dogs. In his intellectual nullity and ignorance they try to crush the methodological basis for constructing a final theory - dialectical materialism. As we had the opportunity to make earlier, the same disdainful attitude towards philosophy and science demonstrate A.F. Joffe, S.I. Vavilov, Y.I. Frenkel, Y.S. Osipov, V.E. Forts and all RAS pseudoscientific brethren. They still hope that the situation will not change and will continue to "sublime nonsense with a claim to superiority and depth of thought," and has long been established by a final theory would be rejected as "not located on the current level of" stupidity and absurdity of pseudoscientific fraud. Dream

of, "she did not seem to soon be" stupid and exemplary, with their help, will continue to pay in the mind of madness. But let no one deceive. Anyway, sooner or later: "The basic materialist spirit of physics, as of all modern science, will overcome all crises, but only by the indispensable replacement of metaphysical materialism by dialectical materialism" - predicted V.I. Lenin. As you can see, V.I. Lenin, as well as Engels, as well as all of the outstanding scientists come to the inescapable conclusion about the need to return to the theoretical thought a dialectical materialist views. "Modern naturalists will find (if they know how to seek, and if we learn to help them) in the Hegelian dialectics, materialistically interpreted a series of answers to the philosophical questions posed by the revolution in natural science and which" get off "reacting intellectual admirers of bourgeois fashion ... Without having to itself such a task and systematically fulfills it, materialism cannot be militant materialism. He remains, to use an expression of Shchedrin, not so much fighting, much to fight. Without this, eminent natural scientists will as often as hitherto be helpless in making their philosophical deductions and generalizations. For natural science is progressing so fast and is undergoing such a profound revolutionary upheaval in all spheres that with philosophical deductions cannot do in any case. Taking the path of Marxist theory we shall approach the objective truth more and more (without ever exhausting it), but by following any other path we cannot come to anything but confusion and lies. "

It is to uncompromising militant dialectical materialist approach to the solution of fundamental scientific problems of natural science and philosophy called VI Lenin. Today still ongoing feast pseudoscientific scams during the plague. The names of the muddled, hypocrites and liars, replacing scientific knowledge obscurantism, former

president of the USSR S.I. Vavilov, Acad. A.F. Loffe and others like them are immortalized their heirs, to usurp power in the Russian Academy of Sciences, in the name of the scientific departments and institutions. Pseudoscientific swindlers even managed to establish a name S.I. Vavilov and A.F. Loffe and award them to you - a favorite for "outstanding service" to destroy the fundamental science, while the generation of true materialist scientist's anathema and oblivion, and their modern receivers are persecuted and repressed. And all this is despite the fact that their own mechanical models of physical interactions in the formulation of Faraday and Maxwell, known to everyone at school, long ago got its scientific analytical resolution. As predicted great scientists are physical interactions is the mutual impact of material objects to each other via streams emitted and absorbed material particles ether. Confirmed Engels brilliant foresight that "as we move forward so that we can give the mechanics of the ether, then it is, of course, will go down, and more so that it is now ranked as the need for physics." These studies, based on the principles of dialectical materialism, for overcoming the artificially created crisis pseudoscientific frauds in the field of natural science and philosophy for decades categorically rejected the reactionary obscurantist Academy of Sciences, as "not being up to date" of their stupidity and absurdity. And all this is happening in spite of the policy statement the ex-president of the Russian Federation D.A. Medvedev, who proclaimed: "Our priority - is the production of knowledge, new technologies and advanced culture. Strong state and powerful bureaucracy - this is not the same thing. The first need for civil society as a tool for development and maintenance of order. The second - is deadly for him. Intellectual energy, creative power - it is the main wealth of the nation and a huge resource of progressive development. "

Meanwhile, the "all-powerful bureaucracy", representing "a grave danger to civil society" with the support of officials of the highest echelons of power, roughly ignoring the laws of the Russian Federation, continues to mercilessly destroy the fundamental science knowledge, advanced culture and the best representatives of Russian national scientific intelligentsia. The fear of exposing pseudoscientific activity, deprivation of privileges and prosecution for crimes committed to science and humanity, gives rise to lies, hypocrisy and violence, leading to the destruction of scientific knowledge, the degradation of social consciousness and the death of civilization. In the present circumstances, when all available means, including through education in schools and universities plans, the media, the public imposed anti-scientific idealistic and religious outlook, in-depth study, development and advocacy work classics of natural sciences and the dialectical materialism is the most important area of the fight for science, culture against barbarism, slavery, barbarism and civilization of death.

2. THE ROAD OF SORROWS

The first positive results of the Faraday-Maxwellian mechanical models of physical interactions were obtained by the author back in 1974. On the advice of the head of the Department of Philosophy of the Kharkov State University Y.F. Bukhalov was prepared and sent an article in the editorial offices of profile magazines with a request for publication for scientific discussion. However, Yuri Fedorovich expressed doubt that the article will be published, as on the concepts of the powers that be "communists," study based on mechanical views, in their view, it is harmful bourgeois trend, but Einstein's

relativity theory - certainly materialistic. To my objections that everything is really the opposite, on the contrary - turned upside down, Yuri Fedorovich invited the author to get acquainted with the article of the Hungarian academician Ludwig Janosi, published in the journal Questions of Philosophy. The article expressed the conviction that the theory of relativity and quantum theories are an antiscientific idealistic direction that led to a collapse in theoretical thinking. Therefore, he "rejects today's dogmas" and insists that in the resolution of problems of physical interactions there must be a material medium - an intermediary (ether). "As you see, you are not the last of the Mohicans. Turn to Janosha and let luck accompany you "- Yuri Fedorovich instructed. Indeed, all the editors without exception sent a refusal to publish the research materials "as not being at the present level and not representing scientific interest." The materials sent to academician Janosi were returned with the explanation of the KGB: "for the transfer of scientific materials abroad it is necessary to have permission from the profile institution of the Academy of Sciences of the USSR, and to send permission to the capitalist countries to the Presidium of the USSR Academy of Sciences." In connection with the gross violation of the rights and freedoms guaranteed by the Constitution, the author sent research materials to the President of the USSR Academy of Sciences Anatoly Petrovich Aleksandrov for taking appropriate measures. The measures were taken immediately. The author was invited to a meeting in the Central Committee of the Communist Party of the Uzbek SSR.

Question: - Do you think that Einstein is a fool?

Answer: - No. I do not think so. But the theory of relativity is an idealistic

ideological diversion in Marxist philosophy. You Communists. Your "unconditional duty", bequeathed by VI. Lenin, to defend the achievements of dialectical materialism from pseudoscientific scammers.

Question: - So you think that all scientists are fools?

Answer: - No. I do not think so. But in the materials of the study there is evidence of a crisis in which quantum-relativistic subconsciousness led the science and proposes a scientifically grounded way out of the impasse, consistent with the views of outstanding scientists, for scientific discussion.

Resume representative of the Central Committee: Our scientists created nuclear power plants and icebreakers, launched satellites and man into space, selflessly work to build a communist future, and such as you distract them from the great achievements. So let's agree. If you do not stop your writing, then we will identify you where the Einsteins, Newtons are, and you will take a worthy place among them. Despite the threats, the author turned to the academician-secretary of the Department of Physical and Mathematical Sciences of the Academy of Sciences of the Uzbek SSR, V.P. Shcheglov. Having read the article, Vladimir Petrovich suggested: "Indeed, the study has a rational grain. But nobody deals with these problems in the Academy of Sciences of the Uzbek SSR. Therefore, it is worthwhile to address this issue to my pupil Professor Nikolai Vsevolodovich Mickiewicz of the University of Friendship of Peoples. "And Vladimir Petrovich wrote and presented the author with a letter of recommendation. The meeting was held. After a lengthy discussion, Nikolai Vsevolodovich stated: "Let's say that you are right. Although, of course, you're wrong. I'm conducting a seminar on

relativistic gravity. My postgraduate students are relativists. I have candidates for membership in the Academy of Sciences, real academics and even the president of the USSR Academy of Sciences - they are all relativists. So what do you want? So that we say that for seventy years we fool all heads, but here came some Cherepennikov and convicted us of pseudo-scientific fraud? So, no one never will publish your studies and will not discuss. Go your way, and do not open your mouth to our mouth. "But here comes to power M.S. Gorbachev, who declares that a return to Leninist principles is inevitable. The author has sent research materials that inevitably lead to a return to Leninist principles, to Gorbachev. From the presidential administration, the materials are sent to the Academy of Sciences of the USSR!? All subsequent appeals-protests are also redirected in the same direction. Well, and there - silence. With great difficulty, I got to see the Deputy Head of the Department of Science and Educational Institutions of the Central Committee of the CPSU, on the instructions of which the materials were sent to the Academy of Sciences of the USSR. The author handed him a pamphlet of his comrade in the course of torturing Sekerin V.I. "The theory of relativity mystification of the XX century." In response, I heard that, in principle, he shares the views of the author and Sekerin that he tried to draw attention to research materials of leaders of the highest rank. But he was warned that if he insisted on his own, then there would be nothing to do for him in the Central Committee. Therefore, all he can advise is to publish research materials at his own expense. For a long time publishing houses refused to publish the research materials. Finally, the Chairman of the Commission on Ethics in the Supreme Soviet of the USSR, Anatoly Alekseyevich Denisov agreed with the private cooperative "Tovarishch" in Saratov, who

agreed to publish the pamphlet of the author "Science needs protection" in ten thousand copies. Anatoly Alekseevich had to publish his pamphlet *The Myths of the Theory of Relativity in Vilnius*. After its publication in fifty thousand copies, the Presidium of the USSR Academy of Sciences attacked the author and the cooperative, which realized "Myths ..." with the threat of their destruction. In this regard, the trading network flatly refused to distribute the brochure "Science needs protection". Nevertheless, the brochure dispersed at conferences, friends and acquaintances. And to this day, walking on agony continues for all who do not accept lies and strive for the knowledge of the truth. But, as F. Engels wrote further: "For some time now philosophical, especially natural philosophical systems grow like mushrooms after rain, not to mention countless new systems of politics, political economy, etc. Just as in the modern state it is assumed that every citizen is capable of judging all those issues on which he has to voice his voice; Just as political economy is based on the assumption that every buyer is also an expert on all those goods that he has to buy for his life, like now it is considered that in science one should also adhere to the same assumption. Everyone can write about everything, and the "freedom of science" is understood precisely as a person's right to write especially about what he did not study, and to give it out as the only strictly scientific method ... - a cheeky pseudo science that nowadays comes to the forefront And everything is drowned out by the roar of his lofty gossip. Venerable idle talk in poetry, in philosophy, in political economy, in history, lofty gossip from the pulpit and rostrum, lofty gossip everywhere, lofty gossip with a claim to superiority and profundity ... One cannot now take in the hands of almost any theoretical book on natural science without having received such an impression from reading it that the naturalists themselves

feel how strongly this disorder and confusion reign over them, and that philosophy, which currently has circulation, does not give absolute No way out. And here there really is no other way out, no other possibility, except a return in one form or another from metaphysical thinking to dialectical thinking". The testimony of F. Engels is still relevant today: "high-flown idle talk everywhere, lofty gossip with a claim to superiority and profundity" at the Academy of Sciences of the Russian Federation, the Government of the Russian Federation, the State Duma, and all mass disinformation.

3. ANALYTICAL STUDY OF CLASSICAL FARADAY-MAXWELL MECHANICAL MODELS OF PHYSICAL INTERACTIONS OF MATERIAL OBJECTS

3.1. Introduction.

This analytical research is based on the teachings of the classics of dialectical materialism. The resolution of the mechanical models of Faraday and Maxwell with the application of the laws of classical mechanics allows us to overcome the collapse in theoretical thinking provoked by pseudo scientists and obscurantists.

3.2. About the mechanical nature of Faraday's electric power lines

Let us turn directly to the views of Faraday and Maxwell on the substance of the question under consideration. In his work on Faraday's lines of force, Maxwell wrote: "The current state of the doctrine of electricity seems particularly unfavorable for theoretical development. The laws of the distribution of electricity on the surface of conductors were analytically deduced from the experiments. In some parts of the mathematical theory of magnetism was

established, while in others - the lack of experimental data. The theory of the conductivity of the galvanic current and the interaction of conductors is represented by mathematical formulas, but it is not yet connected with the rest of the sciences. The modern theory of electricity and magnetism, covering all the phenomena related here, not only needs to understand the connection between the resting electricity and electricity current, but also between attraction and inductive actions in both states. Such a theory must fully satisfy laws whose mathematical expression is already known, and, in addition, provide the means for the theoretical computation of cases in which known formulas are inapplicable. Therefore, for the successful development of the theory, it is first of all necessary to simplify the conclusions of previous studies and lead them to the form most accessible to perception. The results of such a simplification can be represented either by a purely mathematical formula or by a physical hypothesis. Until now, the study of the laws of electrical and magnetic forces was made to begin with the assumption that the causes of these phenomena are some innate attractive and repulsive forces between the known bodies. We want to consider the same question from a different point of view, more suitable for our investigations, namely, by determining the magnitude and direction of the forces in question, by means of the velocity and direction of motion of the incompressible fluid. In the notion of the presence of sources and drains in which a liquid is created or destroyed, there is no contradiction. How nothing prevents us from imagining it as absolutely incompressible, so nothing prevents us from assuming that it is created from nothing in certain places, in others it again comes down to nothing. Places, where the liquid is created, we call the source, and the intensity will be determined by the number

of units the amount of fluid produced by them at a time. The same place where the liquid is eliminated, we will call drains and their intensity will be determined by the number of units the amount of fluid absorbed per unit of time. We can imagine an electrotonic state at some point in space as some vector definite in magnitude and direction, and we can express this electrotonic state at a given point of space with the help of some mechanical vector, for example, velocity or force, the direction and magnitude of which corresponds to the direction and the magnitude of the electrical state that we determined. I do not think that now it's time to get a definitive idea of the essence of electricity, and I see the main merit of the time theory is that it directs the experiment, without at the same time preventing the appearance of a true theory. Will the application of the theory of these functions to the doctrine of electricity lead to a future for new mathematical ideas useful for physical research? "Further, Maxwell considers the distribution in space of velocities and pressures in currents along streamlines of some hypothetical fluid, and depending on the location of the set of sources and drains, applying the superposition principle of velocity fields, reduces analysis to the theory of potentials, that is, to determining the forces acting on the trial Charge placed in any point of space. "Just at that time - Buslaev testifies - science came to the understanding that interaction is an exchange of particles - carriers of interaction (a photon for electromagnetic interaction, a pion for nuclear interaction, etc.). In Maxwell's work "On Faraday's lines of force" charges are presented in the form of sources and drains of some hypothetical, elastic medium. The assumption of the existence of such a medium allowed to explain consistently all existing, at that time, experiments on electricity and magnetism and actually served as the basis for the creation of

electrodynamics. If we imagine this medium as an ether, it turns out that the source of the ether is the material bodies that radiate and absorb the streams of particles, which are intermediaries of physical interactions of material objects. It follows that the ether is not carried away by bodies, but is generated and absorbed by them. "Such are the scientifically scientific materialistic views of scientists that determine the only true way to solve the fundamental problem of philosophy and natural science, proceeding from the mechanical nature of physical interactions. Maxwell did not limit himself to these studies, but was going to continue them in the direction of direct consideration of the interaction of the sources themselves and the drains: "In the following I will consider several problems from the doctrine of electricity and magnetism pertaining to spherical bodies. I will postpone the detailed development of cases relating to specially accepted experiments until I have the means in my hands for setting up such experiments. "Unfortunately, this fundamental program for investigating the mechanical nature of the physical interactions of spherical bodies was never carried out in a form acceptable for physics. In this study, an attempt is made to fill this gap, aimed at implementing Maxwell's programmatic statement, in fulfillment of his prediction that: "A mature theory in which physical facts will be physically explained will be constructed by those who, by asking nature itself, will be able to find only The correct solution of the questions posed by mathematical theory. "

3.3 Determination of velocity and acceleration fields of ether streams of isolated sources and drains

Let us consider the mechanical models of velocity and acceleration fields of ether streams of isolated sources and drains, consistent with the views of Faraday and

Maxwell. Let us single out an isolated material system consisting of a source bounded by the surface of a sphere of radius R_u , And a space uniformly filled with ether particles. Suppose that the source is characterized by a constant intensity - Q_u , That is, a constant mass stream of ether particles per unit time passing through its surface. Then, taking a positive direction - the direction from the center of the source, we get:

$$Q_e = \lim_{\Delta t \rightarrow 0} \rho_y \frac{\Delta V_e}{\Delta t} = \rho_y \frac{dV_e}{dt} = const \quad (3.3.1)$$

Where: ρ_y - density of ether particles, in the filled space;

ΔV_e - an elementary increase in volume;

Δt - Increment of time.

Elementary increase in volume is defined as the difference in volumes bounded by spheres. Spheres of radius R , Bounding the front of the ether streams emitted by the source in time Δt , and a sphere of radius R_u , Limiting the source (Figure 3.3.1).

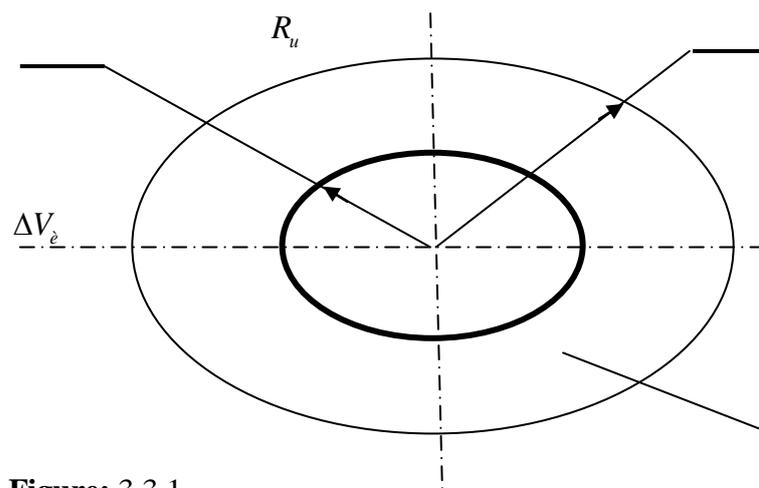


Figure: 3.3.1

$$\Delta V_e = \frac{4}{3} \pi (R^3 - R_e^3) \quad (3.3.2)$$

We define the derivative of the function depending on the argument R .

$$\frac{dV_{\dot{e}}}{dR} = \lim_{\Delta R \rightarrow 0} \frac{\Delta V_{\dot{e}}}{\Delta R} = \frac{d\left(\frac{4}{3}\pi(R^3 - R_{\dot{e}}^3)\right)}{dR} = \frac{4\pi \times 3R^2 dR}{3dR} = 4\pi R^2 \quad (3.3.3)$$

Substituting the value obtained $dV_{\dot{e}}$ from (3.3.3), into equation (3.3.1), we obtain the dependence:

$$dt = \frac{4\pi\rho_y R^2 dR}{Q_{\dot{e}}} \quad (3.3.4)$$

From (3.3.4) we determine the field of distribution of the velocity vectors of ether particles in the streams emitted by an isolated source - $v_{\dot{e}n}$:

$$v_{\dot{e}n} = \frac{dR}{dt} = \frac{Q_{\dot{e}}}{4\pi\rho_y R^2} \quad (3.3.5)$$

Differentiating the particle velocities in (3.3.5) with respect to time (3.3.4), we determine the field of distribution of the particle acceleration vectors in the streams emitted by an isolated source - $\dot{a}_{\dot{e}n}$:

$$\dot{a}_{\dot{e}n} = \frac{dv_{\dot{e}n}}{dt} = \frac{d\frac{Q_{\dot{e}}}{4\pi\rho_y R^2}}{4\pi\rho_y R^2 dR} = \frac{Q_{\dot{e}}^2}{16\pi^2 \rho_y^2} \times \frac{dR^{-4}}{dR} = \frac{Q_{\dot{e}}^2}{16\pi^2 \rho_y^2} \times \frac{(-4)}{R^5} = -\frac{4Q_{\dot{e}}^2}{16\pi^2 \rho_y^2 R^5} = -\frac{Q_{\dot{e}}^2}{4\pi^2 \rho_y^2 R^5} \quad (3.3.6)$$

Similarly, we define the field of distribution of velocity vectors of ether particles in streams absorbed by an isolated sink - :

$$Q_c = \lim_{\Delta t \rightarrow 0} \rho_y \frac{\Delta V_c}{\Delta t} = \rho_y \frac{dV_c}{dt} = const \quad (3.3.7)$$

Where:

- Q_c - Intensity of drain;
- ΔV_c - An elementary decrease in volume
- Δt - Increment of time.

Elementary reduction in volume is defined as the difference in volume of spheres. Spheres of radius R_c , Which limits the runoff and sphere of radius R , Bounding the front of the ether particles absorbed by the runoff in time Δt .

$$\Delta V_c = \frac{4}{3}\pi(R_c^3 - R^3) \quad (3.3.8)$$

We define the derivative of the function V_c depending on the argument R .

$$\frac{dV_c}{dR} = \lim_{\Delta R \rightarrow 0} \frac{\Delta V_c}{\Delta R} = \frac{d\left(\frac{4}{3}\pi(R_c^3 - R^3)\right)}{dR} = \frac{-4\pi \times 3R^2 dR}{3dR} = -4\pi R^2 \quad (3.3.9)$$

Substituting the value obtained dV_c from (3.3.9), into equation (3.3.7), we obtain the dependence:

$$\frac{dV_c}{dt} = \frac{(-4)}{R^5} \times \frac{Q_c^2}{4\pi^2 \rho_y^2 R^5} = -\frac{4Q_c^2}{16\pi^2 \rho_y^2 R^5} = -\frac{Q_c^2}{4\pi^2 \rho_y^2 R^5} \quad (3.3.10)$$

From (3.3.10) define distribution field vectors ether particle velocities in streams absorbed insulated drain - v_{cn} :

$$v_{cn} = \frac{dR}{dt} = -\frac{Q_c}{4\pi\rho_y R^2} \quad (3.3.11)$$

Differentiating the particle velocity (3.3.11) over time (3.3.10), we define the vectors of the field distribution in the acceleration of the particles streams absorbed insulated drain - \dot{a}_{in} :

$$\dot{a}_{cn} = \frac{dv_{cn}}{dt} = \frac{d \frac{-Q_c}{4\pi\rho_y R^2}}{-4\pi\rho_y R^2 dR} = \frac{Q_c^2}{16\pi^2 \rho_y^2} \times \frac{dR^{-4}}{dR} = \frac{Q_c^2}{16\pi^2 \rho_y^2} R^{-5} \quad (3.3.12)$$

3.4 General view interaction equation sources and drains

Analytical model define mechanical force interaction sources and drains. Consider an element of a sufficiently small surface bounding material object - Δs , In which the ether of particle velocity changes in the stream can be ignored. We define the mass stream rate of the particles - Δm through the element surface per unit time in the direction:

$$\Delta m = \rho_y \bar{v}_\Sigma \bar{n} \Delta s \quad (3.4.1)$$

Where:

$$\bar{v}_\Sigma = \sum_{i=1}^{\mu} \bar{v}_i - \text{Total velocity vector}$$

ether particles fluxes passing through the element surface Δs

\bar{v}_i - The particle velocity vector ether in i-volume flow

μ - The number of threads ether particles passing through the element surface Δs ;

\bar{n} - The unit vector normal to the outer surface of the element Δs .

Then the projection of the reactive $\Delta F_{\bar{\ell}}$ force in the direction $\bar{\ell}$, Exerted by the ether stream on the particle surface of the object Δs , member Will be proportional to the mass stream rate of the particles in the stream module Δm , Emitted (absorbed) from the surface of the element Δs , On total acceleration \bar{a}_Σ the direction $\bar{\ell}$:

$$\Delta F_{\bar{\ell}} = -k |\Delta m| \bar{a}_\Sigma \bar{\ell} \quad (3.4.2)$$

Where:

k - Proportionality factor.

Integrating across the surface of the material object $\bar{\ell}$, in the direction of the projection, Define the value of the force acting on the material object in the desired direction:

$$F_{\bar{\ell}} = -k \rho_y \int_s |\bar{v}_\Sigma \bar{n}| \bar{a}_\Sigma \bar{\ell} ds \quad (3.4.3)$$

Equation (3.4.3) is the general form of equations describing the interaction of material objects in the physical fields in the case of emission or absorption ether flows.

3.5 The interaction of the two fixed spherical sources and drains

Consider a classical mechanical Faraday-Maxwell posing the problem of interaction between two spherical objects, emitting or absorbing streams ether particles. Following Maxwell terms, objects emitting material particles will be called sources and absorbing - drains. According to the concepts of the Faraday ether is some incompressible liquid medium filling the space. Applying the principle of superposition of velocity fields, well-known circuits receive mechanical

interaction models sources and drains
(Figure. 3.5.1, 3.5.2). Current lines
indicated by dashed lines, define the path
of movement of particles of ether flows.

Source
drain

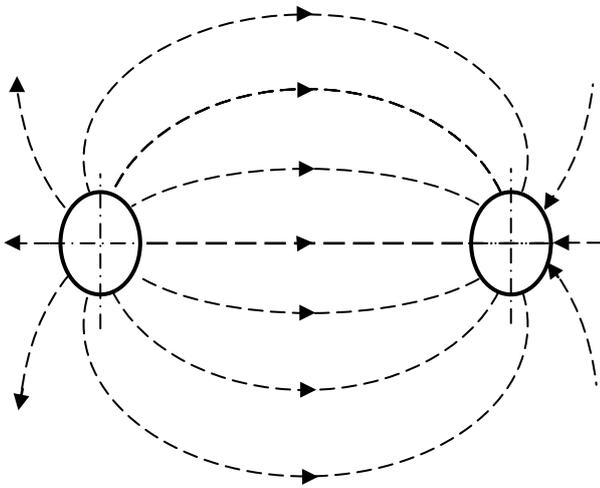


Fig. 3.5.1

Source

Source

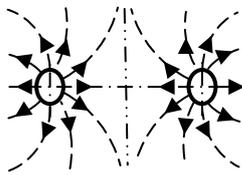
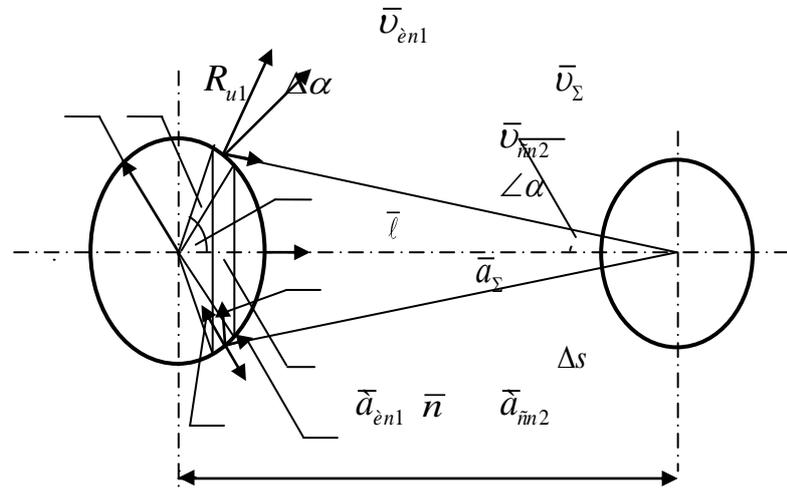


Figure: 3.5.2

Configuration particles arrangement streamlines in the case of interaction with the drain stream will be similar to the configuration of the current source of interaction with the source lines (Figure 3.5.2). The difference will be only that the line current in this case will be sent to the drains. Consider two material objects: I - source and II - drain and limited surface of the sphere radii R_{u1} and R_{c2} , (Figure 3.5.3). We distinguish on the field object surface element I Δs (Ring) enclosed between the sections formed by two

coaxial cones forming an angle $\Delta\alpha$. The tops of the cones are in the center of a sphere of radius and the direction of the axes coincides with a unit vector \bar{l} .

Object I (source)
object II (drain)



L

Figure: 3.5.3

Where:

L – distance between centers of objects I and II;

\bar{l} - The unit vector direction of the object I center to center of object II;

\bar{n} – the unit vector normal to the outer surface of the element Δs ;

$\angle\alpha$ – The angle between the unit vector and the unit vector \bar{l} ;

$\Delta\alpha$ – Angle increment $\angle\alpha$

$\angle\beta$ - The angle between the segment joining surface Δs with the center of the object II and the direction of the unit vector \bar{l} ;

\bar{U}_{en1} - Vector ether stream rate emitted by the object I surface $c \Delta s$;

ρ_y - Density ether particles filling the space;

\bar{U}_{im2} – Vector ether stream rate absorbed from the surface of the object II Δs ;

\bar{a}_{en1} - Acceleration vector ether flux emitted from the surface of the object I Δs ;

\bar{a}_{cn2} - Acceleration vector stream ether absorbed from the surface of the object II Δs ;

$\rho_y |\bar{v}_\Sigma \bar{n}| = \rho_y |(\bar{v}_{\dot{e}n1} + \bar{v}_{\dot{m}2}) \bar{n}|$ - Ether product of the density of particles on the modulus of the sum stream velocities in the projection onto the unit vector \bar{n} ;

$\bar{a}_\Sigma = \bar{a}_{\dot{e}n1} + \bar{a}_{\dot{m}2}$ - Total acceleration vector particles flows;

$\Delta s = 2\pi R_{\dot{e}1}^2 \sin \alpha \Delta \alpha$ - An element of the object I surface;
Or, passing to the limit:
 $ds = 2\pi R_{\dot{e}1}^2 \sin \alpha d\alpha$. (3.5.1)

Applying the principle of superposition of velocity fields and particle accelerations ether define expression for the projection of the force acting on the spring in the direction $I \bar{l}$, By reacting the drain II (see section 3.3):

$$F_{1\dot{e}\bar{n}\bar{l}} = -k\rho_y \int_s |(\bar{v}_{\dot{e}n1} + \bar{v}_{\dot{m}2}) \bar{n}| (\bar{a}_{\dot{e}n1} + \bar{a}_{\dot{m}2}) \bar{l} ds \quad (3.5.2)$$

Performing the calculations, and substituting in equation (3.5.2) value ds of the equation (3.5.1), we obtain:

$$F_{1\dot{e}\bar{n}\bar{l}} = -2k\pi R_{\dot{e}1}^2 \rho_y \int_0^\pi |v_{\dot{e}n1} + v_{\dot{m}2} \cos(\alpha + \beta)| (-\alpha_{\dot{e}n1} \cos \alpha + \alpha_{\dot{m}2} \cos \beta) \sin \alpha d\alpha \quad (3.5.3)$$

For sufficiently large distances between the interacting objects when $L \gg R_{u1}$ and $\angle \beta$ the angle tends to zero, and $\cos \beta$ - unit and the distance from the object II to the center element surface Δs tends to L , we obtain:

$$F_{1\dot{e}\bar{n}\bar{l}} = 2k\pi R_{\dot{e}1}^2 \rho_y \int_0^\pi |v_{\dot{e}n1} + v_{\dot{m}2} \cos \alpha| (-\alpha_{\dot{e}n1} \cos \alpha + \alpha_{\dot{m}2}) d \cos \alpha =$$

$$2k\pi R_{\dot{e}1}^2 \rho_y \int_0^\pi (-v_{\dot{e}n1} \alpha_{\dot{e}n1} \cos \alpha + v_{\dot{e}n1} \alpha_{\dot{m}2} - v_{\dot{m}2} \alpha_{\dot{e}n1} \cos^2 \alpha + v_{\dot{m}2} \alpha_{\dot{m}2} \cos \alpha) d \cos \alpha =$$

$$2k\pi R_{\dot{e}1}^2 \rho_y \left[-v_{\dot{e}n1} \alpha_{\dot{e}n1} \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi + v_{\dot{e}n1} \alpha_{\dot{m}2} (\cos \alpha)_0^\pi - v_{\dot{m}2} \alpha_{\dot{e}n1} \left(\frac{\cos^3 \alpha}{3} \right)_0^\pi + v_{\dot{m}2} \alpha_{\dot{m}2} \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi \right] =$$

$$2k\pi R_{\dot{e}1}^2 \rho_y \left[-v_{\dot{e}n1} \alpha_{\dot{e}n1} \left(\frac{1-1}{2} \right) + v_{\dot{e}n1} \alpha_{\dot{m}2} (-1-1) - v_{\dot{m}2} \alpha_{\dot{e}n1} \left(\frac{1-1}{3} \right) + v_{\dot{m}2} \alpha_{\dot{m}2} \left(\frac{1-1}{2} \right) \right] =$$

$$2k\pi R_{\dot{e}1}^2 \rho_y \left[-2v_{\dot{e}n1} \alpha_{\dot{m}2} + \frac{2}{3} v_{\dot{m}2} \alpha_{\dot{e}n1} \right] \quad (3.5.4)$$

Substituting in equation (3.5.4) of the previously obtained values of the equations (3.3.5) - (3.3.8) define the expression for the projection of the force acting on the spring in the direction $I \bar{l}$ by reacting with a drain II:

Source I - drain II

$$F_{1\dot{e}\bar{n}\bar{l}} = 2k\pi R_{\dot{e}1}^2 \left(-\frac{2Q_{\dot{e}1} Q_{\dot{e}2}^2 \rho_y}{4\pi \rho_y R_{\dot{e}1}^2 4\pi^2 \rho_y^2 L^5} + \frac{2Q_{\dot{e}1} Q_{\dot{m}2}^2 \rho_y}{3 \times 4\pi \rho_y^2 L^2 4\pi^2 \rho_y^3 R_{\dot{e}1}^2} \right)$$

=

$$-\frac{kQ_{\dot{e}1} Q_{\dot{e}2}^2}{4\pi^2 \rho_y^2 L^5} + \frac{kQ_{\dot{e}1} Q_{\dot{m}2}^2}{12\pi^2 \rho_y^3 R_{\dot{e}1}^2 L^2}$$

$$(3.5.5)$$

Similarly, we obtain the expression for the force acting on the object I in the following cases:

Source I - source II

$$F_{1\dot{e}\bar{n}\bar{l}} = -\frac{kQ_{\dot{e}1} Q_{\dot{e}2}^2}{4\pi^2 \rho_y^2 L^5} - \frac{kQ_{\dot{e}1} Q_{\dot{e}2}^2}{12\pi^2 \rho_y^3 R_{\dot{e}1}^2 L^2}$$

$$(3.5.6)$$

Drain I - source II

$$F_{1\dot{e}\bar{n}\bar{l}} = -\frac{kQ_{\dot{e}1} Q_{\dot{e}2}^2}{4\pi^2 \rho_y^2 L^5} + \frac{kQ_{\dot{e}1} Q_{\dot{e}2}^2}{12\pi^2 \rho_y^3 R_{\dot{e}1}^2 L^2}$$

$$(3.5.7)$$

Drain I - drain II

$$F_{1cc\bar{l}} = -\frac{kQ_{c1}Q_{c2}^2}{4\pi^2\rho_y^2L^5} - \frac{kQ_{c1}^2Q_{c2}}{12\pi^2\rho_y^2R_{c1}^3L^2} - \frac{kk_e\rho_eQ_{e1}Q_{e2}}{9\pi\rho_y^2L^2} - \frac{kQ_{e1}Q_{e2}^2}{4\pi^2\rho_y^2L^5}$$

(3.5.8) (3.5.12)

Taking the assumption that the intensity of the source Q_e proportional to the mass of the source m_e , And the intensity of runoff $Q_{\bar{n}}$ proportional to the mass stream $m_{\bar{n}}$, We obtain:

$$Q_e = k_e m_e = \frac{4}{3} k_e \pi \rho_e R_e^3$$

(3.5.9)

$$Q_{\bar{n}} = k_{\bar{n}} m_{\bar{n}} = \frac{4}{3} k_{\bar{n}} \pi \rho_{\bar{n}} R_{\bar{n}}^3$$

(3.5.10)

Where: k_e и $k_{\bar{n}}$ – proportionality coefficients intensity of the source and drain, respectively;

ρ_e And $\rho_{\bar{n}}$ - density substance source and drain, respectively.

Replacing one of the factors Q_{e1} and $Q_{\bar{n}1}$ in the second term of (3.5.5) - (3.5.8) on its value from equations (3.5.9), (3.5.10), and by changing the places of the terms, we obtain:

Source I –
drain II

$$F_{1e\bar{c}\bar{l}} = \frac{kk_e\rho_eQ_{e1}Q_{c2}}{9\pi\rho_y^2L^2} - \frac{kQ_{e1}Q_{\bar{n}2}^2}{4\pi^2\rho_y^2L^5}$$

(3.5.11)

Source I –
source II

Drain I –
source II

$$F_{1c\bar{n}\bar{l}} = \frac{kk_{\bar{n}}\rho_{\bar{n}}Q_{c1}Q_{e2}}{9\pi\rho_y^2L^2} - \frac{kQ_{c1}Q_{e2}^2}{4\pi^2\rho_y^2L^5}$$

(3.5.13)

drain I –
drain II

$$F_{1c\bar{n}\bar{l}} = -\frac{kk_{\bar{n}}\rho_{\bar{n}}Q_{c1}Q_{\bar{n}2}}{9\pi\rho_y^2L^2} - \frac{kQ_{c1}Q_{\bar{n}2}^2}{4\pi^2\rho_y^2L^5}$$

(3.5.14)

Equating to zero the equation (3.5.11) - (3.5.14), we define the value of L_1 , In which the graph of the function intersects the axis L . In Fig. 3.5.4 and 3.5.5 are graphs of the forces acting on the object I, depending on the distances between the objects. As shown in the graphs, the intersection with the axis L It will occur only for interactions source - drain and drain - source. More accurate charting at close distances get further in the study of the function of the equation (3.5.3), characteristic for the weak and nuclear interactions.

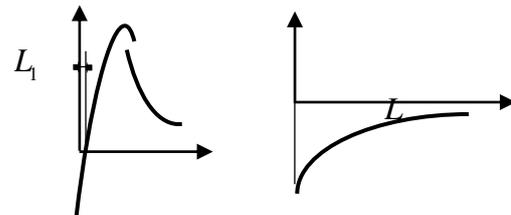


Fig. 3.5.4
Fig. 3.5.5

The present study allows to establish a hitherto unknown interaction forces dependent objects from the speed and acceleration ether streams emitted and absorbed sources and drains.

3.6 The interaction of two spherical sources and drains that are in fast (slow) translational relative motion

Consider a mechanical model of the interaction of two spherical objects in case of accelerated translational motion moving with a velocity \bar{v}_o and acceleration \bar{a}_i in relation to each other. Assume earlier notation. Then the vector of the relative velocity of the particles- $\bar{v}_{o\bar{n}}$, and vector acceleration - $\bar{a}_{i\bar{n}}$, arising from the rapid convergence of the objects are collinear and opposite in direction $\bar{\ell}$. At the same time, the vector of the relative particle velocity- \bar{v}_{oy} and the acceleration vector \bar{a}_{oy} , resulting from the accelerated removal of objects are collinear and coincide with the direction $\bar{\ell}$. Rewrite the first row of equation (3.5.4) for the projection of forces $F_{1\bar{n}\bar{\ell}}$, operating the source I in the direction $\bar{\ell}$ by reacting II with a drain in case of accelerated translational relative approach of objects. Since the interaction of the source to the drain and drain to a source at a relatively large distance attraction forces prevail, then the velocity vector \bar{v}_{oc} and the acceleration vector \bar{a}_{oc} they will be directed towards convergence, i.e. from drain II to source I.

source
I - drain II

$$\begin{aligned}
 F_{1\bar{n}\bar{\ell}} &= -2k\pi R_{\bar{e}1}^2 \rho_{\bar{y}} \int_0^\pi (\nu_{\bar{e}n1} + \nu_{\bar{m}2} \cos \alpha - \nu_{i\bar{n}} \cos \alpha) (-\alpha_{\bar{e}n1} \cos \alpha + \alpha_{\bar{m}2} - \alpha_{i\bar{n}}) \sin \alpha d\alpha \stackrel{\text{Source I - drain II}}{=} \\
 &= 2k\pi R_{\bar{e}1}^2 \rho_{\bar{y}} \int_0^\pi (-\nu_{\bar{e}n1} \alpha_{\bar{e}n1} \cos \alpha + \nu_{\bar{e}n1} \alpha_{\bar{m}2} - \nu_{\bar{e}n1} \alpha_{i\bar{n}} - \nu_{\bar{m}2} \alpha_{\bar{e}n1} \cos^2 \alpha + \nu_{\bar{m}2} \alpha_{\bar{m}2} \cos \alpha - \\
 &\quad - \nu_{\bar{m}2} \alpha_{i\bar{n}} \cos \alpha + \nu_{i\bar{n}} \alpha_{\bar{e}n1} \cos^2 \alpha - \nu_{i\bar{n}} \alpha_{\bar{m}2} \cos \alpha + \nu_{i\bar{n}} \alpha_{i\bar{n}} \cos \alpha) \cos \alpha d\alpha = \\
 &\quad = \frac{kQ_{\bar{e}1}^2 Q_{c2}}{12\pi^2 \rho_{\bar{y}}^2 R_{\bar{e}1}^3 L^2} - \frac{kQ_{\bar{e}1} Q_{\bar{n}2}^2}{4\pi^2 \rho_{\bar{y}}^2 L^5} \\
 &\quad + kQ_{\bar{e}1} \dot{a}_{i\bar{n}} - \frac{kQ_{\bar{e}1}}{3\pi \rho_{\bar{y}} R_{\bar{e}1}^3} \nu_{i\bar{n}}
 \end{aligned}
 \tag{3.6.2}$$

Similarly, we obtain the value for the projection of the forces acting on the drain

$$\begin{aligned}
 &= 2k\pi R_{\bar{e}1}^2 \rho_{\bar{y}} \left[-\nu_{\bar{e}n1} \alpha_{\bar{e}n1} \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi + \nu_{\bar{e}n1} \alpha_{\bar{m}2} \left(\frac{\cos^3 \alpha}{3} \right)_0^\pi + \nu_{\bar{m}2} \alpha_{\bar{e}n1} \left(\frac{\cos^3 \alpha}{3} \right)_0^\pi + \nu_{\bar{m}2} \alpha_{\bar{m}2} \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi \right. \\
 &\quad \left. + \nu_{i\bar{n}} \alpha_{\bar{e}n1} \left(\frac{\cos^3 \alpha}{3} \right)_0^\pi - \nu_{i\bar{n}} \alpha_{\bar{m}2} \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi + \nu_{i\bar{n}} \right. \\
 &\quad \left. \text{As } \left(\frac{\cos^2 \alpha}{2} \right)_0^\pi = \frac{1}{2} - \frac{1}{2} = 0, \text{ The 1st, 5th, 6th, 8th and 9th terms vanish. Then:} \right. \\
 &\quad F_{1\bar{n}\bar{\ell}} \\
 &= 2k\pi R_{\bar{e}1}^2 \rho_{\bar{y}} \left[\nu_{\bar{e}n1} \alpha_{\bar{m}2} (-1-1) - \nu_{\bar{e}n1} \alpha_{i\bar{n}} (-1-1) - \nu_{\bar{m}2} \alpha_{\bar{e}n1} \left(-\frac{1}{3} \right) \right. \\
 &\quad \left. = 4k\pi R_{\bar{e}1}^2 \rho_{\bar{y}} \left(-\nu_{\bar{e}n1} \alpha_{\bar{m}2} + \nu_{\bar{e}n1} \alpha_{i\bar{n}} + \frac{\nu_{\bar{m}2} \alpha_{\bar{e}n1}}{3} - \frac{\nu_{i\bar{n}} \alpha_{\bar{e}n1}}{3} \right) \right]
 \end{aligned}
 \tag{3.6.1}$$

Substituting in equation (3.6.1) of the previously obtained values of the equations (3.3.5) - (3.3.8) and placing the third term to the first projection to determine the expression of the force acting on the source I in the direction $\bar{\ell}$ by reacting with a drain II in the event of relative translational accelerated convergence:

I in the direction $\bar{\ell}$ by reaction with a source II in the case of accelerated translator relative approach of objects.

$$-kQ_{\bar{e}1}\dot{a}_{i\bar{o}} - \frac{kQ_{\bar{e}1}^2}{3\pi\rho_y R_{\bar{e}1}^3}v_{i\bar{o}} \quad (3.6.5)$$

Drain
I - source II

$$F_{1c\bar{e}\bar{\ell}} = \frac{kQ_{c1}Q_{\bar{e}2}}{12\pi^2\rho_y^2 R_{c1}^3 L^2} - \frac{kQ_{c1}Q_{\bar{e}2}^2}{4\pi^2\rho_y^2 L^5} + kQ_{\bar{n}1}\dot{a}_{i\bar{n}} + \frac{kQ_{\bar{n}1}^2}{3\pi\rho_y R_{\bar{n}1}^3}v_{i\bar{n}} \quad (3.6.3)$$

Also we define the projection of the forces acting on the drain I in the direction $\bar{\ell}$ by reacting with a drain II and a projection of the force acting on the source I in the direction $\bar{\ell}$ by reaction with a source II in the case of rapid relative translational removal of objects. Since the interaction with sewage drains and sources with sources at relatively large distances repulsive forces predominate (see. Equation (3.5.6), (3.5.8)), in the case $|-v_{c1} + v_{c2} \cos \alpha| \geq |v_{oy} \cos \alpha|$, the velocity vector \bar{v}_{oy} and the acceleration vector $\bar{a}_{i\bar{o}}$ they will be directed towards the removal.

Replacing one of the factors $Q_{\bar{e}1}$ or $Q_{\bar{n}1}$, Squared, in the first and fourth terms in equations (3.6.2) - (3.6.5) at their value from equations (3.5.9), (3.5.10), respectively, we obtain:

Source
e I - drain II

$$F_{\bar{e}\bar{n}\bar{\ell}} = \frac{kk_e\rho_e Q_{\bar{e}1}Q_{c2}}{9\pi\rho_y^2 L^2} - \frac{kQ_{\bar{e}1}Q_{\bar{n}2}^2}{4\pi^2\rho_y^2 L^5} + kQ_{\bar{e}1}\dot{a}_{i\bar{n}} - \frac{4kk_e\rho_e Q_{\bar{e}1}}{9\rho_y}v_{i\bar{n}} \quad (3.6.6)$$

Source
e I - source II

$$F_{\bar{e}\bar{e}\bar{\ell}} = -\frac{kk_e\rho_e Q_{\bar{e}1}Q_{\bar{e}2}}{9\pi\rho_y^2 L^2} - \frac{kQ_{\bar{e}1}Q_{\bar{e}2}^2}{4\pi^2\rho_y^2 L^5} - kQ_{\bar{e}1}\dot{a}_{i\bar{o}} - \frac{4kk_e\rho_e Q_{\bar{e}1}}{9\rho_y}v_{i\bar{o}} \quad (3.6.7)$$

Drain
I - source II

D

rain I
-
drain
II

$$F_{1cc\bar{\ell}} = -\frac{kQ_{\bar{n}1}Q_{\bar{n}2}}{12\pi^2\rho_y^2 R_{\bar{n}1}^3 L^2} - \frac{kQ_{\bar{n}1}Q_{\bar{n}2}^2}{4\pi^2\rho_y^2 L^5} - kQ_{\bar{n}1}\dot{a}_{i\bar{o}} + \frac{kQ_{\bar{n}1}^2}{3\pi\rho_y R_{\bar{n}1}^3}v_{i\bar{o}} \quad (3.6.4)$$

Source I – source II

$$F_{uu\bar{\ell}} = -\frac{kQ_{\bar{e}1}Q_{\bar{e}2}}{12\pi^2\rho_y^2 R_{\bar{e}1}^3 L^2} - \frac{kQ_{\bar{e}1}Q_{\bar{e}2}^2}{4\pi^2\rho_y^2 L^5}$$

$$F_{\bar{n}\bar{e}\bar{\ell}} = \frac{kk_c\rho_n Q_{\bar{n}1}Q_{\bar{e}2}}{9\pi\rho_y^2 L^2} - \frac{kQ_{\bar{n}1}Q_{\bar{e}2}^2}{4\pi^2\rho_y^2 L^5} + kQ_{\bar{n}1}\dot{a}_{i\bar{n}} + \frac{4kk_n\rho_c Q_{\bar{n}1}}{9\rho_y}v_{i\bar{n}} \quad (3.6.8)$$

Drain
I - drain II

$$F_{\bar{m}\bar{\ell}} = -\frac{kk_c\rho_n Q_{\bar{n}1}Q_{c2}}{9\pi\rho_y^2 L^2} - \frac{kQ_{\bar{n}1}Q_{\bar{n}2}^2}{4\pi^2\rho_y^2 L^5} - kQ_{\bar{n}1}\dot{a}_{i\bar{o}} + \frac{4kk_n\rho_c Q_{\bar{n}1}}{9\rho_y}v_{i\bar{o}} \quad (3.6.9)$$

The study allows to establish the dependence of previously unknown forces

between interacting objects (sources and drains), by their relative velocities and accelerations of the translational movements.

3.7 About the mechanical nature of Faraday's magnetic power lines

According to the views of Faraday, Maxwell wrote: "One can imagine that each magnet consists of a large number of elementary magnetized particles, each of which has its own north and south poles. The interaction of the two magnetic poles should occur under the same laws as the interaction of two electricity particles. Therefore, the idea of lines of force can be applied also to magnetism, and his theory is just as electrostatics can be illustrated by means of a moving fluid. Here, however, the study will have solution to the problem of how single cells in the fluid motion can present the polarity of the elementary magnets. The unit of the amount of liquid streams through one side of each cell and flows out through the opposite. In this way, relative to the rest of the liquid mass of the first side of the cell is a liquid drain unit, the second - the source. Thus, each cell corresponds to an elementary magnet, the sides of which are covered respectively with equal amounts of north and south magnetism. If each cell is a part of a continuous cell system, the fluid flowing out of one cell will stream into the subsequent and so on, so that our sources can be moved from the ends of the unit cells on the ends of tubes will stream into the subsequent and so on, so that our resources can be moved from the ends of the cells at the ends of the individual tubes will stream into the subsequent and so on, so that our resources can be moved from the ends of the cells at the ends of the individual tubes. If all individual tubes begin and end on the cell surface of the system, the sources will be based only on the surface; therefore the magnet, wherein the distribution of the magnetism is so-

called a solenoid, or tubular, the entire free magnetism on the surface. The magnetic lines of force (lines of induction), Faraday came to the conclusion that in the tube-surfaces formed by a system of lines, the number of the magnetic induction through any cross section of the tube is constant and that the changing nature of these lines during the transition from one material to another may be explained by the difference in the special property of the two bodies - inductive capacity, which plays completely the same role as the conductivity in the stationary electric current theory. Since all of the details for calculating, determining magnetism will be clearer after ascertaining the relationship between the magnetism and the electricity, here we will limit ourselves to remark that all determine the total amount article listed in a surface, and total intensity, referred to a curve remain valid as in the case of magnetism and in the case of electricity. A single tube may be either closed, or start and end at different points. In the first case there is a continuous circulation of fluid in the second case at one end of the fluid flows into the tube in the tube, and the other derived from it. "That this is the connection between magnetism and electricity. The continuous circulation of fluid in a closed circuit along the magnetic force lines causes the mechanical nature of magnetism, while outflow of fluid at one end of the tube, with the source surface, and the absorption of its second end along the electric field lines at the surface runoff, determines mechanical electricity entity. And if the mechanical nature of electricity, as the interaction of the charges by the expiration of the fluid sources and drains its absorption is not in doubt nor Faraday or Maxwell, the manifestations of the mechanism of magnetism remained not understood until the end. "Some problems of the theory of electricity and magnetism related to the spherical bodies" As has been previously noted, unfortunately,

Maxwell's intention in the future to consider and it was not implemented, and the ingenious conjecture about the interaction of spherical sources and drains remain permitted. According to the concepts of the Faraday magnetic phenomena are due to continuous circulation of fluid in a closed circuit, generated by the rotation of material objects. These assumptions are supported by experience Genri Roulanda in 1876 charged with a rotating rubber disk that really created a magnetic field. Today, science has the knowledge that the magnetic field created by the rotating material objects: galaxies, stars, planets ..., protons, electrons, particles of ether, and so on. Also accumulated a wealth of experimental material: spinning wheels in the experiments of Paul Baumann ("Testatika"), G.V. Nikolaev from Tomsk (Electric Motor "Siberian Kolya"), levitating drives Dzhona Serlya, the rotating rotor Muscovites Vladimir Roshchin and Sergey Godin and other experiments, indicating the validity of Faraday's ideas. Summarizing the findings of scientists from the available experimental data and theoretical research, Maxwell, still forced to conclude that the theory of electricity and magnetism, yet far from its logical conclusion: "Such an idea is not associated with any physical theory, and is the only of its kind artificial illustration. I'm not suggesting to them the shadow of actual physical theory; on the contrary, their main achievement as the conventional tools for further studies is that they are free from any prejudice. I do not think that now it was time to make a final Statement of the nature of electricity, and see the main credit for the temporary theory that she led the experiment, without hindering at the same time the emergence of a true theory. In a subsequent study the laws established by Faraday, to be considered as true and it will be shown that in developing further its considerations, one can derive a new and even more

general laws. If it turns out that the law in question, originally found for a certain number of phenomena can be generalized so that the scope of a new class of phenomena, the resulting mathematical relationships deliver physicists to discover the relationship physical. Mature theory, in which physical facts are physically explained, will be built by those who, questioning nature itself will be able to find the right decision matters set mathematical theory. Such a theory must fully comply with the laws, the mathematical expression of which is already known and, in addition, provide a means for the theoretical calculation of where the known formulas do not apply. Therefore, it is necessary for the successful development of the theory, first of all, to simplify the findings of previous studies, and lead them to form most accessible perception. The results of this simplification or may be represented by a purely mathematical formula or physical hypothesis." Now let us turn to modern ideas about the nature of magnetism. We give in this regard the statements of scientists: "As we have seen when describing electric current, one of the main obstacles for the development of a more complete and consistent theory of electrical phenomena was exaggerated importance given the similarity between the static electricity and electric shock. This approach gave rise to an erroneous belief that in both types of phenomena occurs in only one entity - electrical charge. The same kind of mistakes, only more complete and categorical manner manifested in this look at magnetism. Insisting that electrostatic and electrical phenomena - it's just two aspects of the same, the current scientific consensus recognizes that between them there is a sufficient difference justifying separate category of electrostatics in the theoretical aspects of the static phenomena. If magneto statics (corresponding branch of magnetism), and is mentioned in all of

modern physics texts, usually dismiss it from both the "old approach", is now out of fashion. Strictly static concepts such as magnetic poles, most often introduced with an apology. Crushing separate physical areas of study on more and more units are a feature of scientific activity throughout its history. In the case of the magnetostatic we have the reverse process, the case where the basic unit of physics died due to cannibalism. Magnetostatics swallowed the related but quite different phenomenon - electromagnetism. Between these two types of magnetic phenomena we have a lot of similarities, as well as between the two kinds of electricity. As such, the value of which is expressed in terms of magnetostatics, determined mainly by electromagnetic relationships. But this in no way does not justify the current belief that the process is only one entity is involved. The subordinate status that traditional physics often attributes magnetic phenomena is illustrated by the following comment KU Ford: "How to find the theoretical physicists, magnetism in our world - it's just a byproduct of electricity; it only exists as a result of movement of electrically charged particles." Such a statement implies that the assumptions made are set reasonable and just. But in fact, assumed that magnetism exists only as a result of the motion of charged particles, based on the entirely insignificant assumptions. The true situation is more accurately described by the following quote from a physical textbook:

"Only models that combine two sources of magnetism (magnets and magnetostatic) have been created over the past thirty years. Even today, the model is far from perfect, but at least they have convinced people that there is only one source of magnetic fields, all magnetic fields arise due to the motion of electric charges." Essentially, this passage shows that almost the idea developed, not so good, but, nevertheless, the majority voted

for it. A prominent American astronomer George. N. Bakell pointed out that "we often create serious problems scientific acclaim, not observation." Uncritical acceptance of "far from perfect" model of magnetism - a good example of such a non-scientific practice. "/ Alexfl.ru> vechnoe / vechnoe_larson24.html /"What is the nature of magnetism? It is known that he is one of magnetism properties of matter. Thanks to him, certain metals are magnetized and begin to attract other metals. But here's why this is happening - there is clear and there is no clear answer, there is no answer to the question, what is the electric current. Theoretically, of course, all these concepts are explained, mathematical models, and a person can manage both magnets and electrical forces, but the real crux of the matter remains beyond consciousness. People do not know why this is happening ..Undoubtedly, the science in this area will open many more amazing things that will shed light on the mysterious processes and phenomena. And then, perhaps, each of us can understand what is it that is a magnetism that is one of the mysteries of the world around us. Nikita Chepkin "Mysterious phenomenon. Nature of Magnetism. The above considerations and installation of Faraday and Maxwell lead sane reader to the only possible correct solution of the question, "how single cells in the fluid motion can present the polarity of the elementary magnets". For this we represent actual mechanical model of a material object, a limited surface of a sphere consisting of a set of mini sources, mini sewage and maximum sources Maxi drains, and limited surface of a sphere. On the need to build mechanical models insisted Lord Kelvin. To simplify the decision is made that the intensity of emission of each of the sources Maxi is absorption intensity of each Maxi-flow. Material object mini sources, mini sewage and maximum springs, Maxi drains are in a rotational motion around the axis passing

through their centers. Suppose that the number of maxi- source material object is greater than maxi- drains. Then the material object as a whole will be a source. Thus equal amounts maxi- sources and maximum effluent will neutralize each other. In Fig. 3.7.1a 3.7.1b and remaining arrangement is a partial, mutually neutralized, active amount maxi- sources on the surface of a material object. In Figure 3.7.1b shows a cross section of the object - the source in a diametrical plane perpendicular to its axis of rotation. Note that the ether streams emitted (absorbed) rotating material object - the source, as well as mini sources mini drains, and maximum sources moving along trajectories spiral lines having a normal circular and tangential velocity components - \bar{v}_e . The direction of movement trajectories of emitted ether object streams shown in Fig. 3.7.1b spiral shown in dashed lines with arrows, and the transverse component of the angular velocity vector - $\bar{v}_{e\theta}$ and the normal component of the velocity vector - \bar{v}_{en} velocity vector stream emitted ether - \bar{v}_e shown by solid arrows. $\bar{v}_{e\theta}$ It can be defined as $\bar{v}_{e\theta} = \bar{\omega}_{e\theta} \times \bar{R}_e$. Where: $\bar{\omega}_{e\theta}$ - total velocity vector of the angular tube-ether flows on the source surface, \bar{R}_e - source range. Moreover, these mini sources and maximum springs, as well as a material object - source under the influence of reactive power emitted by the particles of ether, will rotate in the opposite direction $\bar{\omega}_{e\theta}$, Ie clockwise. In Fig. 3.7.1a direction of rotation of the object from the angular velocity vector $\bar{\omega}_e$ It is shown by the solid line arrow, and the direction opposite to it - $\bar{\omega}_{e\theta}$ It is shown by the dashed arrow. 3.7 The study presents an analytical proof that the sources and drains are turning to the oncoming stream of ether by the party, which streams flow into the ether. $\bar{v}_{e\theta}$ It causes in the surface

layer of the object oncoming ether stream. Consequently, mini sources and drains of the surface layer line up, like a chain as shown in Fig. 3.7.1b. In Fig. 3.7.1a it is shown that oriented so mini sources and drains cause helical emission (absorption) streams ether elliptical in longitudinal section of the object - the source shown in Figure dashed circles. These flows, affecting the maxi-sources, orient them with the poles to which they are flowing, i.e. against the direction of flow. The set of circular transverse velocity component emitted (absorbed) mini sources ether streams mini-drains and sources ellipsoidal components maxi- create total longitudinal field of velocity vectors facility ether streams as shown in Figure. 3.7.1a large dashed ellipses. These closed ellipsoidal longitudinal tube unit ether object streams - source form the two poles. After one magnetic pole - South (S) ether derived streams, and through the opposite - north (N) magnetic pole are flowing. The set of circular transverse components of the velocity vectors of ether streams maxi-sources and longitudinal components elliptical ether streams mini sources and drains create transverse field of velocity vectors facility ether streams - source as shown in Fig. 3.7.1 dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - a longitudinal and transverse elliptical circumferential form a spatial structure of velocity fields of object streams ether - source. The set of circular transverse components of the velocity vectors of ether streams maxi- sources and longitudinal components elliptical ether streams mini sources and drains create transverse field of velocity vectors facility ether streams - source as shown in Fig. 3.7.1b dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - a longitudinal and transverse elliptical circumferential form a spatial structure of velocity fields of object streams ether - source. The set of circular

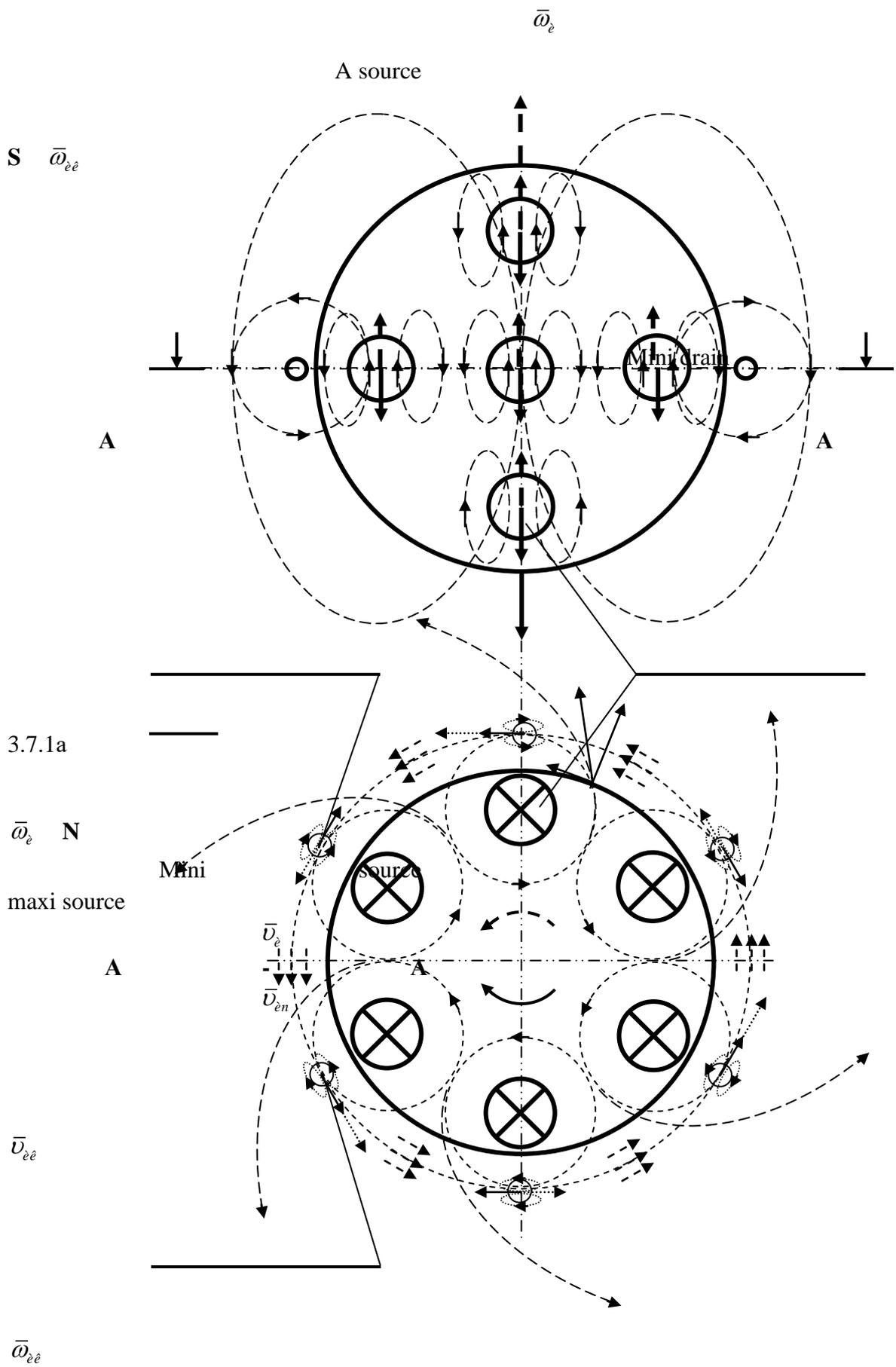
transverse components of the velocity vectors of ether streams maxi- sources and longitudinal components elliptical ether streams mini sources and drains create transverse field of velocity vectors facility ether streams - source as shown in Figure 3.7.1b dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - a longitudinal and transverse elliptical circumferential form a spatial structure of velocity fields of object streams ether – source form a spatial structure of velocity fields of object streams ether – source form a spatial structure of velocity fields of object streams ether - source.

Now suppose that the number of maxi-waste material object is greater than maxi-sources. Then, the object material will generally be a drain. Thus equal amounts maxi- sources and maximum effluent will neutralize each other. In Figure 3.7.2a 3.7.2b and remaining arrangement is a partial, not mutually neutralized, maxi-active amount of waste on the surface of a material object. In Fig. 3.7.2b shows a cross section of the object - in photo diametral plane perpendicular to its axis of rotation. Note that the ether streams absorbable material rotating object - the drain, as well as effluent and maximum move along paths converging helical lines having a normal circular and transverse velocity components \bar{v}_n . The direction of movement trajectories absorbed ether object streams shown in Figure 3.7.2b spiral shown in dashed lines with arrows, and a circular transverse component - \bar{v}_{ne} and the normal component - \bar{v}_{in} stream rate absorbed ether \bar{v}_n shown by solid arrows. \bar{v}_{ne} It can be defined as $\bar{v}_{ne} = \bar{\omega}_{ne} \times \bar{R}_n$. Where: $\bar{\omega}_{ne}$ -the angular velocity vector ether stream on the surface runoff, \bar{R}_n - the radius of the flow. In this maxi- effluents, as well as a material object - drain under the influence of the reactive forces are absorbed ether flows,

will rotate in the same direction as the $\bar{\omega}_{ne}$, That is, counter-clockwise. In Figure 3.7.2a and direction of rotation with an angular velocity of the object $\bar{\omega}_n$ it is shown by the solid line arrow, a $\bar{\omega}_{ne}$ and

It is shown by the dashed arrow. Section 3.7 presents an analytical evidence that the drains and sources are turned to the oncoming stream of ether with the side to which ether streams are flowing. \bar{v}_{ne} It causes in the surface layer of the object oncoming ether stream. Consequently, mini mini sources and drains of the surface layer line up, like a chain as shown in Fig. 3.7.2b. In Fig. 3.7.2a it is shown that oriented so mini mini sources and drains, circular streams ether components shown in the figure by dotted circles, because longitudinal currents elliptical in longitudinal section of the object - Photo. These streams are also affecting the maxi-drains, orient them with the poles to which they are flowing, ie, against the direction of flow. The set of circular transverse velocity component emitted particles ether mini mini sources and drains absorbed and longitudinal components ellipsoidal maxi-drains create total longitudinal field of velocity vectors facility ether streams - Photo as shown in Fig. 3.7.2a large dashed ellipses. These closed longitudinal ellipsoidal single tube material object streams ether - Photo form the two poles. After one magnetic pole - north (N) ether streams flow into and through the opposite magnetic south pole (S) - derived. The totality of the transverse circular velocity component maxi- drains and longitudinal components of elliptical mini sewage and mini sources create cross-field vectors of the object velocity - flow, as shown in Fig. 3.7.2b dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - transverse and longitudinal, form a spatial structure of an object the velocity fields - source. The totality of the transverse circular velocity component maxi- drains and longitudinal components

of elliptical mini sewage and mini sources create cross-field vectors of the object velocity - flow, as shown in Fig. 3.7.2b dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - transverse and longitudinal, form a spatial structure of an object the velocity fields - source. The totality of the transverse circular velocity component maxi- drains and longitudinal components of elliptical mini sewage and mini sources create cross-field vectors of the object velocity - flow, as shown in Fig. 3.7.2b dotted circular lines. These two kinds of fields, the velocity vectors of ether stream - transverse and longitudinal, form a spatial structure of an object the velocity fields - source.



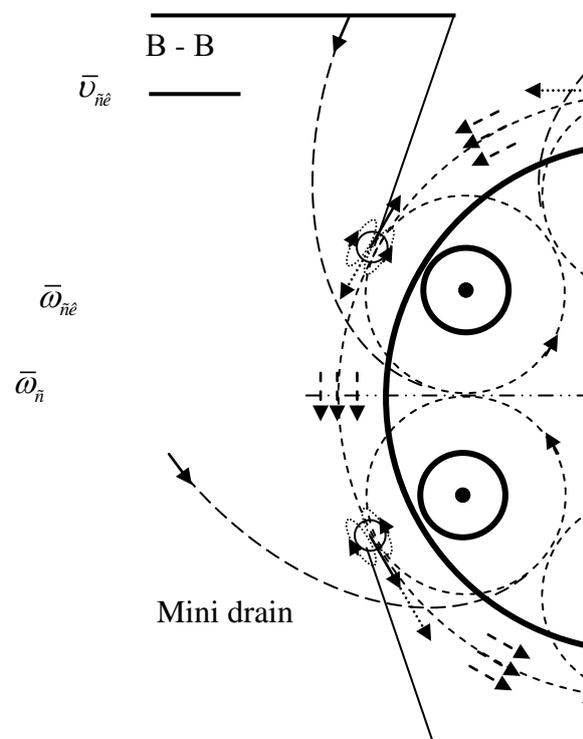
A drain

$\bar{\omega}_n$ S

B

N

Mini
maxi drain



Thus, a study to determine the mechanical nature of the magnetic phenomena, the interaction of material objects (unit cells) through their own cumulative circular transverse and

longitudinal components of the velocity vectors of elliptic. While both normal components of the velocity vectors, emitted or absorbed ether streams material objects cause electrical entity interactions. Thereby manage to solve the main issue, so agitated Faraday and Maxwell, "how single cells in the fluid motion can present the polarity of the elementary magnets". Based on the foregoing, we can paraphrase Maxwell's statement. Namely that the unit circumferential cumulative transverse and longitudinal vector components ether elliptical particle velocity flows through one side of each cell and flows out through the opposite. Thus, with respect to the rest of the liquid mass, of the first side of the cells is a total drain of circular transverse and longitudinal vector components elliptic ether of particle velocity, and the second the source. Thus, each cell corresponds to an elementary magnet, the sides of which are covered respectively with equal amounts of north and south magnetism. If each cell is a part of a continuous cell system, the plurality of circular transverse and longitudinal components of the velocity vectors of elliptic ether effluent from one cell will flow into the subsequent and so on, so that our resources can be moved from the ends of the cells at the ends of the individual tubes. If all individual tubes begin and end on the cell surface of the system, the sources will be based only on the surface; therefore the magnet, wherein the distribution of the magnetism is so-called a solenoidal, or tubular, the entire free magnetism on the surface. Indeed, the south pole of the magnet, in consideration of the mechanical model is a source of total circular transverse and longitudinal components of the velocity vectors of elliptic ether flows, while the north pole is circular drain total transverse and longitudinal components of the velocity vectors of elliptic ether flows.

Results presented analytical studies fully represent the views of the Faraday and

Maxwell, experimental, test data and allows not only justify the mechanical nature of the magnetic phenomena, but also to eliminate errors in previous studies (see *reference*). *Help* . In Fig. 3.7.3, 3.7.4, illustrated with contemporary understanding of the electronic and magnetic fields.



Figure 3.7.3

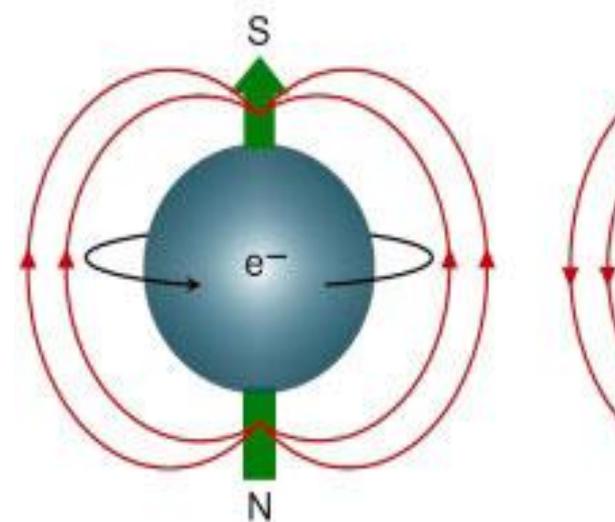


Figure 3.7.4

Electronic judging, e.g., in the direction of its deflection while moving in magnetic field (see the research of 4.10) is the source.

Then, in Figure 3.7.3 The right and center, and rice. 3.7.4 In a toroidal rotation

ether streams magnetic lines of force directions are incorrect. Since on the basis of the evidence presented in the study 4.7 in the direction opposite to the translational motion of the electron along the axis of rotation of the incoming ether stream occurs. In this case, the electron must be converted to the oncoming stream runoff, rather than the source, as shown in Figures 3.7.3 to the left, center, and in Figure 3.7.4. Actual direction ether streamlines shown in figure 3.7.1 and 3.7.2. At the same time, the equatorial direction of the magnetic field lines in Figures 3.7.3 and 3.7.4, the corresponding cross-circular stream of ether, are correct. Mistakes in the wrong determining the direction of the longitudinal magnetic field lines corresponding longitudinal elliptical stream ether is present in the designation of the magnetic fields for all physical objects having magnetic properties. Whether it is a charged particle, magnet, planets, stars, galaxies, and the like. For example, the magnetic lines of force direction of the earth, the drain of which, taken mistakenly assume from the north magnetic pole to the South magnetic pole and not from the south to north, as determined in the present study.

3.8 Interaction of the spherical sources and drains with incident uniform stream ether

Consider a mechanical model of the interaction of a rotating source of limited surface of a sphere of radius R_e , With a uniform stream of ether particles moving with velocity \bar{v}_i , As shown in Fig. 3.8.1 in a diametrical section plane of the figure coinciding with the source axis.

The figure shows a diagram of the velocity and acceleration ether fluxes passing through the points A, B, C and D, located on the surface of the sphere and

equidistant from the axis of rotation of the source.

Where:

$\hat{I} O_1$ - A source of rotational axis:

\bar{v}_{eni} - Vector normal velocity component ether streams emitted by the source at the points A, B, C and D;

Note: Index i - hereinafter, at corresponding points, takes values - A, B, C and D.

\bar{v}_{eyi} - vector of velocities longitudinal elliptical ether component streams at points A, B, C and D, the circulating ether stream source;

\bar{v}_i - Vector oncoming ether stream rate

\bar{a}_{oi} - Vector centripetal acceleration ether streams emitted by the source in a plane perpendicular to axis $\hat{I} O_1$ at points A, B, C and D

$\angle\alpha$ - The angle between the vectors and the axis of the source;

$\angle\beta$ - The angle between the vectors and the axis of the source;

$\angle\gamma$ - The angle between lines passing through the center of the source, the points A, D and B, C, respectively, and the axis of the source

\bar{F}_{1i} - Reactive force acting on the object at the points A and D;

\bar{F}_{2i} - Reaction force acting on the object at the points B and C;

$\bar{\omega}_e$ - Source angular speed.

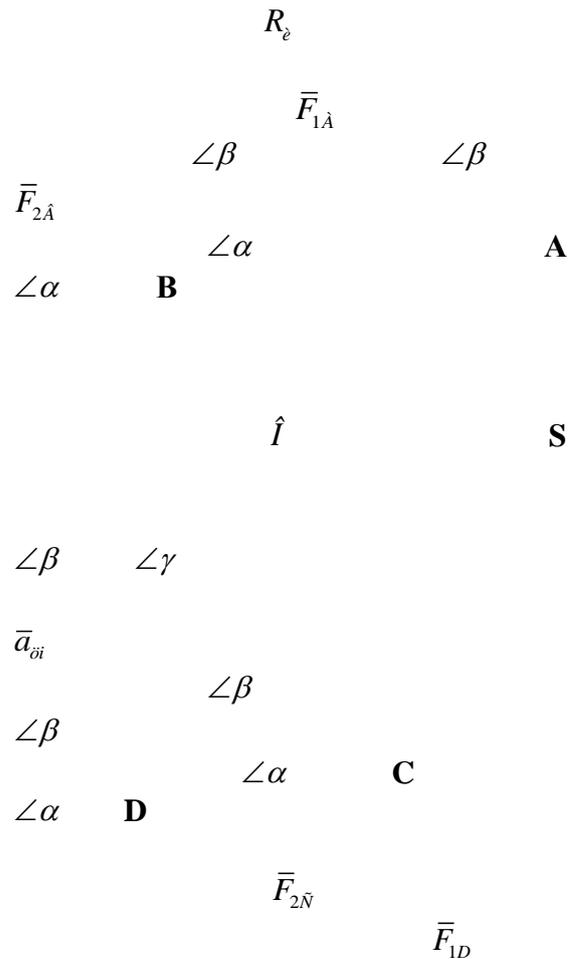
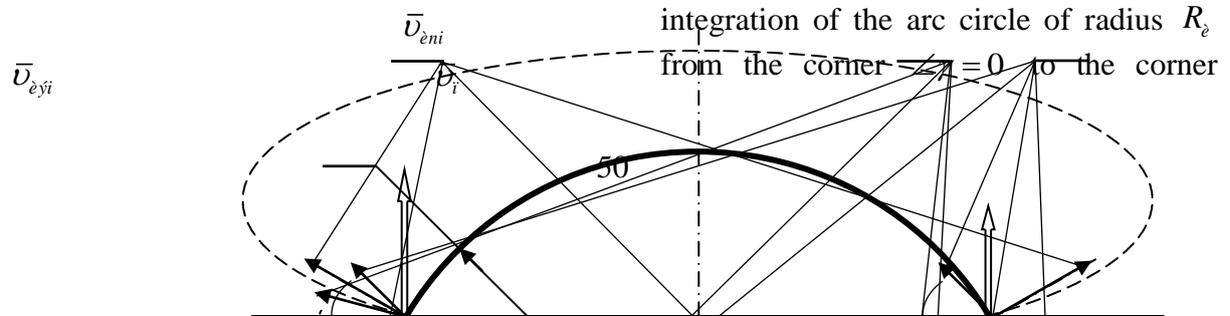


Figure 3.8.1.

We arbitrarily choose two closed lines symmetrically arranged longitudinal elliptic circulating ether source flows, indicated in the figure by dotted ellipses. It is obvious that, by symmetry, stream rate ether - \bar{v}_{eyi} , Directed along the lines of circulating streams in the source ether equidistant from the rotation axis of the source points - A, B, C and D will be equal in magnitude. Neglecting the lower order terms, we apply the equation (3.4.3) to the torque forces acting on the spring at the points A, B, C and D and draw the integration of the arc circle of radius R_e



$\angle\gamma = \pi/2$. As a result, we obtain an integral equation of torque - $M_{\dot{\epsilon}}$, Acting in a diametrical section plane of the drawing source at points A, B, C and D for the case $|\bar{v}_{\dot{\epsilon}ni}| < |\bar{v}_{\dot{\epsilon}yi} \cos(\gamma - \alpha) + \bar{v}_{ni} \cos(\beta - \gamma)|$:

$$\begin{aligned}
 M_{\dot{\epsilon}} &= -k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}yA} \cos(\gamma - \alpha) + \bar{v}_{iA} \cos(\beta - \gamma) + \bar{v}_{\dot{\epsilon}nA} \bar{a}_{oA} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma - \\
 &-k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}yD} \cos(\gamma - \alpha) + \bar{v}_{iD} \cos(\beta - \gamma) - \bar{v}_{\dot{\epsilon}nD} \bar{a}_{oD} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma + \\
 &+k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}yB} \cos(\gamma - \alpha) + \bar{v}_{iB} \cos(\beta + \gamma) - \bar{v}_{\dot{\epsilon}nB} \bar{a}_{oB} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma - \\
 &+k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}yC} \cos(\gamma - \alpha) + \bar{v}_{iC} \cos(\beta + \gamma) + \bar{v}_{\dot{\epsilon}nC} \bar{a}_{oC} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma \\
 &= -2k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_i \cos(\beta - \gamma) - \bar{v}_i \cos(\beta + \gamma)| \bar{a}_{oi} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma
 \end{aligned}
 \tag{3.8.1}$$

Where: $ds = R d\gamma$;

$R_{\dot{\epsilon}} \cos \gamma$ - shoulder strength and \bar{F}_{1i} и \bar{F}_{2i} .

Note that in the case of $|\bar{v}_{\dot{\epsilon}ni}| > |\bar{v}_{\dot{\epsilon}yi} \cos(\gamma - \alpha) + \bar{v}_{ni} \cos(\beta - \gamma)|$

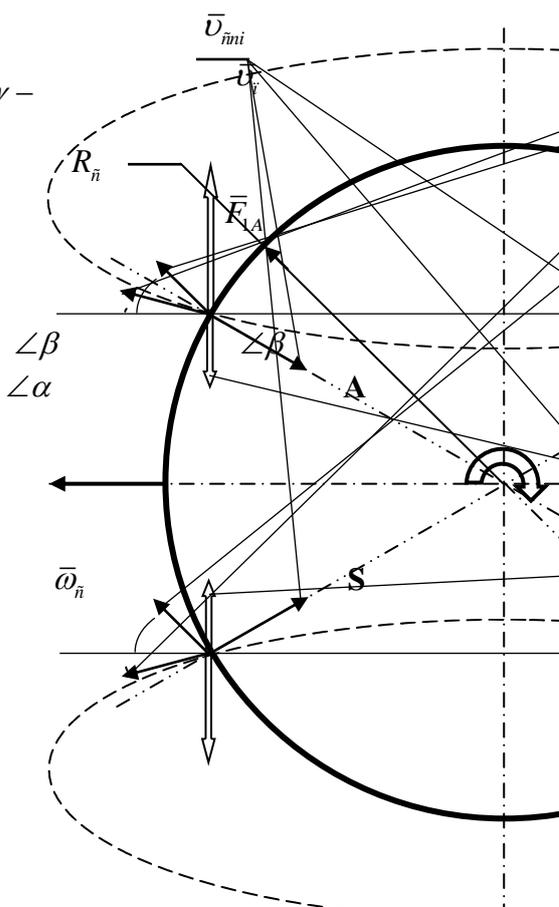
$$\begin{aligned}
 M_{\dot{\epsilon}} &= -k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}nA} + \bar{v}_{\dot{\epsilon}yA} \cos(\gamma - \alpha) + \bar{v}_{iA} \cos(\beta - \gamma)| \bar{a}_{oA} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma - \\
 &-k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}nD} - \bar{v}_{\dot{\epsilon}yD} \cos(\gamma - \alpha) - \bar{v}_{iD} \cos(\beta - \gamma)| \bar{a}_{oD} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma + \\
 &+k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}nB} - \bar{v}_{\dot{\epsilon}yB} \cos(\gamma - \alpha) - \bar{v}_{iB} \cos(\beta + \gamma)| \bar{a}_{oB} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma + \\
 &+k\rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_{\dot{\epsilon}nC} + \bar{v}_{\dot{\epsilon}yC} \cos(\gamma - \alpha) + \bar{v}_{iC} \cos(\beta + \gamma)| \bar{a}_{oC} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma = 0
 \end{aligned}
 \tag{3.8.2}$$

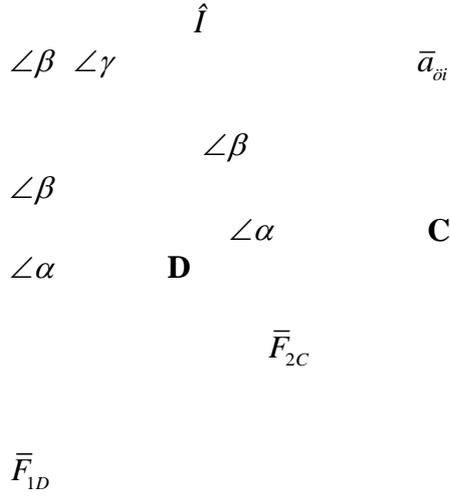
Since, in general, for other arbitrarily chosen points A, B, C, and D, located on a sphere equidistant from the source of the

axis of rotation, and also for any cross-sections parallel to the plane of the drawing source plane not coinciding with the rotation axis of the projection vectors velocities and accelerations on these planes will have a similar appearance, shown in Fig. 3.8.1 to determine the total torque acting on the whole of the source - $M_{\dot{\epsilon}\Sigma}$, With sufficient accuracy goals of the present study, we introduce a factor - $K_{\dot{\epsilon}}$, Taking into account the additional torque.

$$M_{\dot{\epsilon}\Sigma} = d-2K_{\dot{\epsilon}} \rho_{\dot{y}} \int_0^{\pi/2} |\bar{v}_i \cos(\beta - \gamma) - \bar{v}_i \cos(\beta + \gamma)| \bar{a}_{oi} R_{\dot{\epsilon}}^2 \cos \gamma d\gamma
 \tag{3.8.3}$$

Now let us consider the interaction of the rotating flow, the limited surface of a sphere of radius $R_{\dot{\epsilon}}$, With a uniform stream of ether traveling at a speed \bar{v}_i , As shown in Figure 3.8.2 in a diametrical section plane of the figure coinciding with the rotational axis of flow. The figure shows a diagram of velocity and acceleration vectors ether fluxes passing through the points A, B, C and D, located on a sphere equidistant from the rotational axis of flow.





3.8.2

Assume earlier notation as amended.

Where \bar{v}_{ini} -

\bar{v}_{nyi} - vector of the normal component of the velocity vector ether streams absorbed drain at points A, B, C and D;

\bar{v}_{ny} - the longitudinal vector component of the vector ether elliptical stream velocities at points A, B, C and D, the circulating ether stream flows;

$\bar{\omega}_{\bar{n}}$ - vector of the angular velocity flow;

Then the integral equation of torque - $M_{\bar{n}}$, Acting at points A, B, C and D in a diametrical sectional Photo case $|\bar{v}_{cni}| < |\bar{v}_{cyi} \cos(\gamma - \alpha) + \bar{v}_{ni} \cos(\beta - \gamma)|$

Will take the form:

$$\begin{aligned}
 M_{\bar{n}} &= -k \rho_y \int_0^{\pi/2} |\bar{v}_{nyA} \cos(\gamma - \alpha) + \bar{v}_{iA} \cos(\beta - \gamma) - \bar{v}_{imA} \bar{a}_{oA} R_c^2 \\
 &- k \rho_y \int_0^{\pi/2} |\bar{v}_{nyD} \cos(\gamma - \alpha) + \bar{v}_{iD} \cos(\beta - \gamma) + \bar{v}_{imD} \bar{a}_{oD} R_c^2 \cos \gamma \\
 &+ k \rho_y \int_0^{\pi/2} |\bar{v}_{nyB} \cos(\gamma - \alpha) + \bar{v}_{iB} \cos(\beta + \gamma) + \bar{v}_{imB} \bar{a}_{oB} R_c^2 \cos \gamma \\
 &+ k \rho_y \int_0^{\pi/2} |\bar{v}_{nyC} \cos(\gamma - \alpha) + \bar{v}_{iC} \cos(\beta + \gamma) - \bar{v}_{imC} \bar{a}_{oC} R_c^2 \cos \gamma \\
 &= -2k \rho_y \int_0^{\pi/2} |\bar{v}_i \cos(\beta - \gamma) - \bar{v}_i \cos(\beta + \gamma)| \bar{a}_{oi} R_c^2 \cos \gamma d\gamma
 \end{aligned}$$

(3.8.4)

Note that in the case of $|\bar{v}_{cni}| > |\bar{v}_{cyi} \cos(\gamma - \alpha) + \bar{v}_{ni} \cos(\beta - \gamma)|$

$$\begin{aligned}
 M_{\bar{n}} &= -k \rho_y \int_0^{\pi/2} |\bar{v}_{imA} - \bar{v}_{nyA} \cos(\gamma - \alpha) - \bar{v}_{iA} \cos(\beta - \gamma)| \bar{a}_{oA} R_c^2 \\
 &- k \rho_y \int_0^{\pi/2} |\bar{v}_{imD} + \bar{v}_{nyD} \cos(\gamma - \alpha) + \bar{v}_{iD} \cos(\beta - \gamma)| \bar{a}_{oD} R_c^2 \cos \gamma \\
 &+ k \rho_y \int_0^{\pi/2} |\bar{v}_{imB} + \bar{v}_{nyB} \cos(\gamma - \alpha) + \bar{v}_{iB} \cos(\beta + \gamma)| \bar{a}_{oB} R_c^2 \cos \gamma \\
 &+ k \rho_y \int_0^{\pi/2} |\bar{v}_{imC} - \bar{v}_{nyC} \cos(\gamma - \alpha) - \bar{v}_{iC} \cos(\beta + \gamma)| \bar{a}_{oC} R_c^2 \cos \gamma \\
 &\quad (3.8.5)
 \end{aligned}$$

Since, in general, for other arbitrarily chosen points A, B, C, and D, located on a sphere equidistant from the stream axis of rotation, and also for any cross sections of stream parallel to the plane of plane not coinciding with the rotation axis of the projection vectors velocities and accelerations on these planes will have a similar appearance, shown in Fig. 3.8.2, to determine the total torque acting on the whole drain - $M_{\bar{n}\Sigma}$, With sufficient accuracy goals of the present study, we

introduce a factor - $K_{\bar{n}}$, Taking into account the additional torque.

$$M_{\bar{n}\Sigma} = -2kK_{\bar{n}}\rho_y \int_0^{\pi/2} \left| \bar{v}_i \cos(\beta - \gamma) - \bar{v}_i \cos(\beta + \gamma) \right| \bar{\alpha}_{oi} R_{\bar{e}(\bar{n})}^2 \cos \gamma d\gamma \quad (3.8.6)$$

Types of equations (3.8.3) for the source, and (3.8.6) to drain completely coincide.

We define the approximate torque change for the source or drain ($M_{\bar{e}(\bar{n})\Sigma}$), As a function depending on the angle $\angle\beta$, Taking a fixed value of the angle parameter $\angle\gamma = 30^\circ$ for points A, B, C and D:

Substituting into equation (3.8.2), we obtain.

$$M_{\bar{e}(\bar{n})\Sigma} = -2kK_{\bar{e}(\bar{n})}\rho_y \alpha_{oi} R_{\bar{e}(\bar{n})}^2 \cos 30^\circ \left| v_i \cos(\beta - 30^\circ) - v_i \cos(\beta + 30^\circ) \right| = M_\Sigma$$

$$= -1,732kK_{\bar{e}(\bar{n})}\rho_y \alpha_{oi} R_{\bar{e}(\bar{n})}^2 v_i \left| \cos(\beta - 30^\circ) - \cos(\beta + 30^\circ) \right| \quad (3.8.7)$$

Where $R_{\bar{e}(\bar{n})}$ - radius of the source or drain;

$\hat{E}_{\bar{e}(\bar{n})}$ - coefficient source or drain.

Determine the magnitude of the values

For occasions $\left| \cos(\beta - 30^\circ) - \cos(\beta + 30^\circ) \right|$

$\angle\beta = 0^\circ, \angle\beta = 30^\circ, \angle\beta = 60^\circ, \angle\beta = 90^\circ, \angle\beta = 120^\circ, \angle\beta = 150^\circ, \angle\beta = 180^\circ$ 0°
- accordingly:

$$\angle\beta = 0^\circ \quad \left| \cos(0^\circ - 30^\circ) - \cos(0^\circ + 30^\circ) \right| = 0$$

$$\angle\beta = 30^\circ$$

$$\left| \cos(30^\circ - 30^\circ) - \cos(30^\circ + 30^\circ) \right| = 0,5$$

$$\angle\beta = 60^\circ$$

$$\left| \cos(60^\circ - 30^\circ) - \cos(60^\circ + 30^\circ) \right| = 0,8660$$

$$\angle\beta = 90^\circ$$

$$\left| \cos(90^\circ - 30^\circ) - \cos(90^\circ + 30^\circ) \right| = 1$$

$$\angle\beta = 120^\circ$$

$$\left| \cos(120^\circ - 30^\circ) - \cos(120^\circ + 30^\circ) \right| = 0,8660$$

$$(3.8.8)$$

$$\angle\beta = 150^\circ$$

$$\left| \cos(150^\circ - 30^\circ) - \cos(150^\circ + 30^\circ) \right| = 0,5$$

$$\angle\beta = 180^\circ$$

$$\left| \cos(180^\circ - 30^\circ) - \cos(180^\circ + 30^\circ) \right| = 0$$

Figure: 3.8.3 contains the typical plot of $M_{\bar{e}(\bar{n})\Sigma}$ from the corner $\angle\beta$

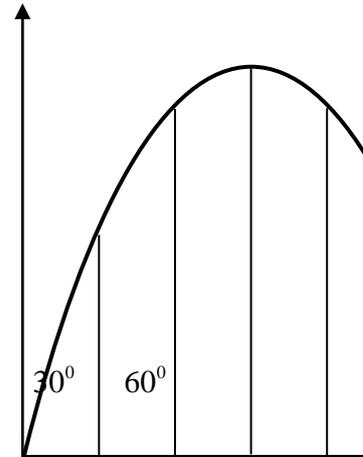


Figure 3.8.3

Analytical results of the study reveals that with increasing angle $\angle\beta$ from 0° to 90° torque value increases to a maximum value, and with a further increase of the angle $\angle\beta$, from 90° to 180° , Decreases to 0° , That is fully consistent with the experimental data.

Thus, the amount of torque acting on the source or drain will be proportional to $1,732kK_{\hat{e}(\bar{n})}\rho_{\hat{y}}\alpha_{oi}R_{\hat{e}(\bar{n})}^2v_i$, And will also depend on the angle of inclination of the incident stream - $\angle\beta$. In this case, as the object - the source and destination - Drain tend to turn to the oncoming stream with the side into which flow into longitudinal stream of ether circulating elliptical objects - north pole - N.

Now we define the forces acting on the surface of the source, provided that the incident stream of particles ether is directed toward the object Photo - North Pole - N. Figure 3.8.4 shows a diagram of the velocity vectors and accelerations ether fluxes passing through the points A, B, C and D, located on the surface of the sphere and equidistant from the axis of rotation of the source.

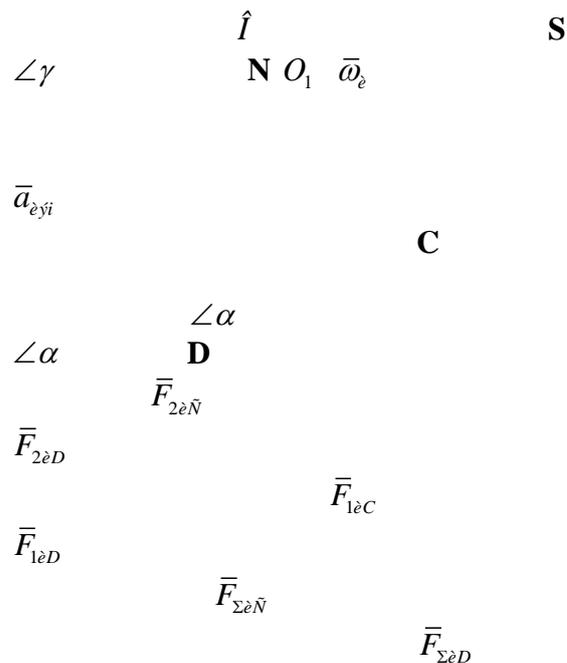
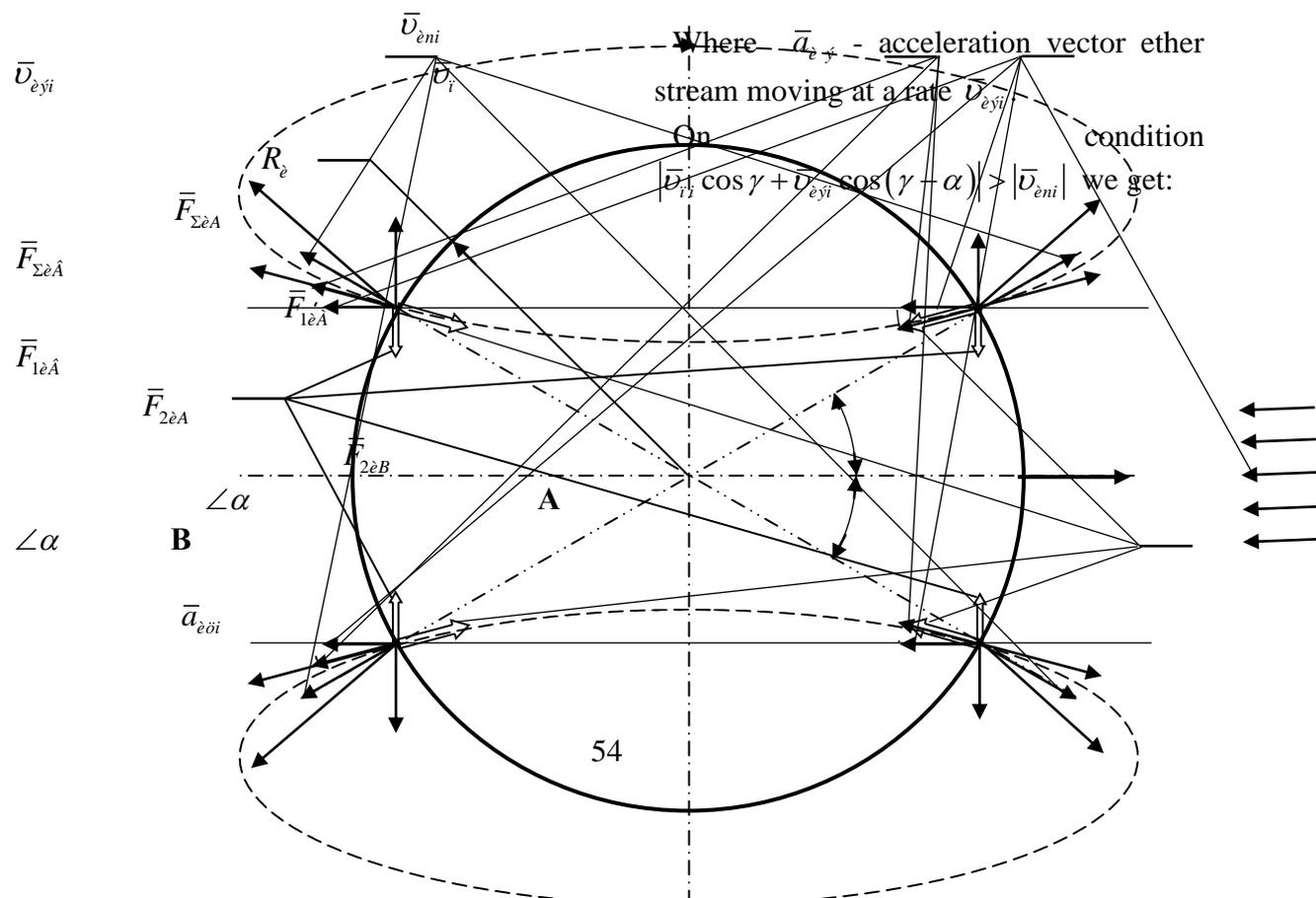


Fig. 3.8.4

We define the forces acting on the spring at the points A, B, C, D in the directions opposite accelerations and $\bar{a}_{\hat{e}oi}$ и $\bar{a}_{\hat{e}yi}$.



$$\begin{aligned}
\bar{F}_{1\hat{e}A} &= -|\bar{v}_{i\hat{A}} \cos \gamma + \bar{v}_{\hat{e}yA} \cos(\gamma - \alpha) + \bar{v}_{\hat{e}nA}| \bar{a}_{\hat{e}\hat{o}\hat{A}} \Delta s \\
\bar{F}_{1\hat{e}C} &= -|\bar{v}_{iC} \cos \gamma + \bar{v}_{\hat{e}yC} \cos(\gamma - \alpha) + \bar{v}_{\hat{e}nC}| \bar{a}_{\hat{e}\hat{o}C} \Delta s \\
\bar{F}_{1\hat{e}B} &= -|\bar{v}_{iB} \cos \gamma + \bar{v}_{\hat{e}yB} \cos(\gamma - \alpha) - \bar{v}_{\hat{e}nB}| \bar{a}_{\hat{e}\hat{o}B} \Delta s \\
\bar{F}_{1\hat{e}D} &= -|\bar{v}_{iD} \cos \gamma + \bar{v}_{\hat{e}yD} \cos(\gamma - \alpha) - \bar{v}_{\hat{e}nD}| \bar{a}_{\hat{e}\hat{o}D} \Delta s \\
\bar{F}_{2\hat{e}A} &= -|\bar{v}_{i\hat{A}} \cos \gamma + \bar{v}_{\hat{e}y\hat{A}} \cos(\gamma - \alpha) + \bar{v}_{\hat{e}n\hat{A}}| \bar{a}_{\hat{e}y\hat{A}} \Delta s \\
\bar{F}_{2\hat{e}C} &= -|\bar{v}_{iC} \cos \gamma + \bar{v}_{\hat{e}yC} \cos(\gamma - \alpha) + \bar{v}_{\hat{e}nC}| \bar{a}_{\hat{e}yC} \Delta s \\
\bar{F}_{2\hat{e}B} &= -|\bar{v}_{iB} \cos \gamma + \bar{v}_{\hat{e}yB} \cos(\gamma - \alpha) - \bar{v}_{\hat{e}nB}| \bar{a}_{\hat{e}yB} \Delta s \\
\bar{F}_{2\hat{e}D} &= -|\bar{v}_{iD} \cos \gamma + \bar{v}_{\hat{e}yD} \cos(\gamma - \alpha) - \bar{v}_{\hat{e}nD}| \bar{a}_{\hat{e}yD} \Delta s
\end{aligned}$$

(3.8.9)

At $|\bar{v}_{\hat{e}ni}| > |\bar{v}_{i\hat{i}} \cos \gamma + \bar{v}_{\hat{e}y\hat{i}} \cos(\gamma - \alpha)|$ we get:

$$\begin{aligned}
\bar{F}_{1\hat{e}A} &= -|\bar{v}_{\hat{e}n\hat{A}} + \bar{v}_{i\hat{A}} \cos \gamma + \bar{v}_{\hat{e}y\hat{A}} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}\hat{o}\hat{A}} \Delta s \\
\bar{F}_{1\hat{e}C} &= -|\bar{v}_{\hat{e}nC} + \bar{v}_{iC} \cos \gamma + \bar{v}_{\hat{e}yC} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}\hat{o}C} \Delta s \\
\bar{F}_{1\hat{e}B} &= -|\bar{v}_{\hat{e}nB} - \bar{v}_{iB} \cos \gamma - \bar{v}_{\hat{e}yB} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}\hat{o}B} \Delta s \\
\bar{F}_{1\hat{e}D} &= -|\bar{v}_{\hat{e}nD} - \bar{v}_{iD} \cos \gamma - \bar{v}_{\hat{e}yD} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}\hat{o}D} \Delta s \\
\bar{F}_{2\hat{e}A} &= -|\bar{v}_{\hat{e}n\hat{A}} + \bar{v}_{i\hat{A}} \cos \gamma + \bar{v}_{\hat{e}y\hat{A}} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}y\hat{A}} \Delta s \\
\bar{F}_{2\hat{e}C} &= -|\bar{v}_{\hat{e}nC} + \bar{v}_{iC} \cos \gamma + \bar{v}_{\hat{e}yC} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}yC} \Delta s \\
\bar{F}_{2\hat{e}B} &= -|\bar{v}_{\hat{e}nB} - \bar{v}_{iB} \cos \gamma - \bar{v}_{\hat{e}yB} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}yB} \Delta s \\
\bar{F}_{2\hat{e}D} &= -|\bar{v}_{\hat{e}nD} - \bar{v}_{iD} \cos \gamma - \bar{v}_{\hat{e}yD} \cos(\gamma - \alpha)| \bar{a}_{\hat{e}yD} \Delta s
\end{aligned}$$

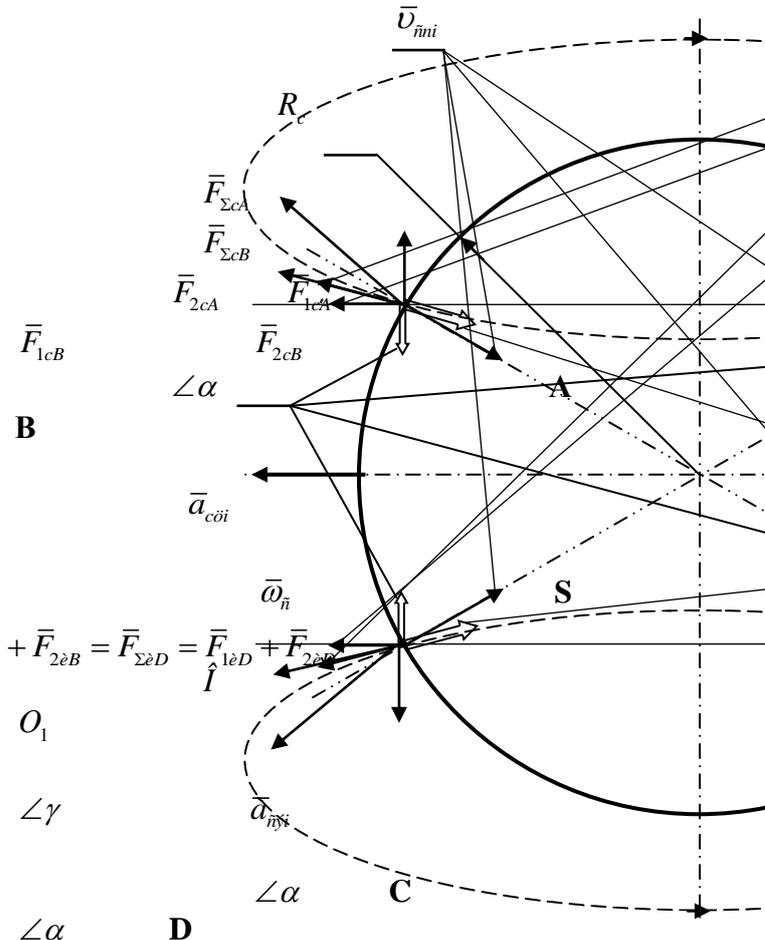
(3.8.10)

In both the first and second cases, the total force at points A and C will be greater than at points B and D, since the mass passing ether streams at points A and C will be greater than at points B and D.

$$\bar{F}_{\Sigma\hat{e}\hat{A}} = \bar{F}_{1\hat{e}\hat{A}} + \bar{F}_{2\hat{e}\hat{A}} = \bar{F}_{\Sigma\hat{e}\hat{N}} = \bar{F}_{1\hat{e}\hat{N}} + \bar{F}_{2\hat{e}\hat{N}} > \bar{F}_{\Sigma\hat{e}\hat{B}} = \bar{F}_{1\hat{e}\hat{B}} + \bar{F}_{2\hat{e}\hat{B}} = \bar{F}_{\Sigma\hat{e}\hat{D}} = \bar{F}_{1\hat{e}\hat{D}} + \bar{F}_{2\hat{e}\hat{D}}$$

If the sum of all points on the surface of the source, under the action of the forces received by the source will undergo deformation as shown in Fig. 3.8.4 solid line and will move from left to right, ie in

the direction coinciding with the direction of travel of the incoming ether stream. Similarly, we define the forces acting on the surface of the object - the drain under the condition that the incident stream of particles ether is directed toward the object Photo - North Pole - N. Figure 3.8.5 shows the velocity and acceleration diagram ether fluxes passing through the points A, B, C and D, located on the surface of the sphere and equidistant from the rotation axis of flow.



$$\begin{array}{ccc}
& \bar{F}_{2cC} & \\
\bar{F}_{2cD} & & \\
& \bar{F}_{\Sigma cC} & \bar{F}_{1cC} \\
\bar{F}_{1cD} & & \\
& & \\
& & \\
\bar{F}_{\Sigma cD} & &
\end{array}$$

Fig. 3.8.5

We define the forces acting on the stream at points A, B, C, D in the directions opposite accelerations $\bar{a}_{c\bar{o}i}$ and $\bar{a}_{c\bar{y}i}$.

Where $\bar{a}_{c\bar{y}i}$ - acceleration vector ether stream moving at a rate $\bar{v}_{\bar{y}i}$.

On condition

$$|\bar{v}_{i\bar{i}} \cos \gamma + \bar{v}_{c\bar{y}i} \cos(\gamma - \alpha)| > |\bar{v}_{cni}| \text{ we get:}$$

$$\begin{aligned}
\bar{F}_{1\bar{n}A} &= -|\bar{v}_{i\bar{A}} \cos \gamma + \bar{v}_{c\bar{y}A} \cos(\gamma - \alpha) - \bar{v}_{c\bar{n}A}| \bar{a}_{c\bar{o}A} \Delta s \\
\bar{F}_{1\bar{n}C} &= -|\bar{v}_{i\bar{C}} \cos \gamma + \bar{v}_{\bar{y}C} \cos(\gamma - \alpha) - \bar{v}_{\bar{m}C}| \bar{a}_{\bar{n}C} \Delta s \\
\bar{F}_{1\bar{n}B} &= -|\bar{v}_{i\bar{B}} \cos \gamma + \bar{v}_{\bar{y}B} \cos(\gamma - \alpha) + \bar{v}_{\bar{m}B}| \bar{a}_{\bar{n}B} \Delta s \\
\bar{F}_{1\bar{n}D} &= -|\bar{v}_{i\bar{D}} \cos \gamma + \bar{v}_{\bar{y}D} \cos(\gamma - \alpha) + \bar{v}_{\bar{m}D}| \bar{a}_{\bar{n}D} \Delta s \\
\bar{F}_{2\bar{n}A} &= -|\bar{v}_{i\bar{A}} \cos \gamma + \bar{v}_{\bar{y}A} \cos(\gamma - \alpha) - \bar{v}_{\bar{m}A}| \bar{a}_{\bar{y}A} \Delta s \\
\bar{F}_{2\bar{n}C} &= -|\bar{v}_{i\bar{C}} \cos \gamma + \bar{v}_{\bar{y}C} \cos(\gamma - \alpha) - \bar{v}_{\bar{m}C}| \bar{a}_{\bar{y}C} \Delta s \\
\bar{F}_{2\bar{n}B} &= -|\bar{v}_{i\bar{B}} \cos \gamma + \bar{v}_{\bar{y}B} \cos(\gamma - \alpha) + \bar{v}_{\bar{m}B}| \bar{a}_{\bar{y}B} \Delta s \\
\bar{F}_{2\bar{n}D} &= -|\bar{v}_{i\bar{D}} \cos \gamma + \bar{v}_{\bar{y}D} \cos(\gamma - \alpha) + \bar{v}_{\bar{m}D}| \bar{a}_{\bar{y}D} \Delta s
\end{aligned}
\tag{3.8.11}$$

On condition

$$|\bar{v}_{cni}| > |\bar{v}_{i\bar{i}} \cos \gamma + \bar{v}_{\bar{y}i} \cos(\gamma - \alpha)| \text{ we get:}$$

$$\begin{aligned}
\bar{F}_{1\bar{n}A} &= -|\bar{v}_{c\bar{n}A} - \bar{v}_{i\bar{A}} \cos \gamma - \bar{v}_{c\bar{y}A} \cos(\gamma - \alpha)| \bar{a}_{c\bar{o}A} \Delta s \\
\bar{F}_{1\bar{n}C} &= -|\bar{v}_{\bar{n}C} - \bar{v}_{i\bar{C}} \cos \gamma - \bar{v}_{\bar{y}C} \cos(\gamma - \alpha)| \bar{a}_{\bar{n}C} \Delta s \\
\bar{F}_{1\bar{n}B} &= -|\bar{v}_{\bar{m}B} + \bar{v}_{i\bar{B}} \cos \gamma + \bar{v}_{\bar{y}B} \cos(\gamma - \alpha)| \bar{a}_{\bar{n}B} \Delta s \\
\bar{F}_{1\bar{n}D} &= -|\bar{v}_{\bar{m}D} + \bar{v}_{i\bar{D}} \cos \gamma + \bar{v}_{\bar{y}D} \cos(\gamma - \alpha)| \bar{a}_{\bar{n}D} \Delta s \\
\bar{F}_{2\bar{n}A} &= -|\bar{v}_{\bar{m}A} - \bar{v}_{i\bar{A}} \cos \gamma - \bar{v}_{\bar{y}A} \cos(\gamma - \alpha)| \bar{a}_{\bar{y}A} \Delta s \\
\bar{F}_{2\bar{n}C} &= -|\bar{v}_{\bar{m}C} - \bar{v}_{i\bar{C}} \cos \gamma - \bar{v}_{\bar{y}C} \cos(\gamma - \alpha)| \bar{a}_{\bar{y}C} \Delta s \\
\bar{F}_{2\bar{n}B} &= -|\bar{v}_{\bar{m}B} + \bar{v}_{i\bar{B}} \cos \gamma + \bar{v}_{\bar{y}B} \cos(\gamma - \alpha)| \bar{a}_{\bar{y}B} \Delta s \\
\bar{F}_{2\bar{n}D} &= -|\bar{v}_{\bar{m}D} + \bar{v}_{i\bar{D}} \cos \gamma + \bar{v}_{\bar{y}D} \cos(\gamma - \alpha)| \bar{a}_{\bar{y}D} \Delta s
\end{aligned}$$

$$(3.8.12)$$

In both the first and second cases, the total power at points B and D will be greater than at points A and C, since the mass of ether stream passing the points B and D will be greater than at points A and C.

$$\bar{F}_{\Sigma cB} = \bar{F}_{1cB} + \bar{F}_{2cB} = \bar{F}_{\Sigma cD} = \bar{F}_{1cD} + \bar{F}_{2cD} > \bar{F}_{\Sigma cA} = \bar{F}_{1cA} + \bar{F}_{2cA} =$$

If the sum of all points on the surface of the drain under the action of forces obtained, a drain undergo deformation as shown in Fig. 3.8.4 solid line and will move from right to left, i.e. in the direction opposite to the direction of travel of the incoming ether stream. The study allows analytically prove the occurrence of torque, previously unknown, by reacting the sources and drains with an incident stream of ether in case of a mismatch of the axes of rotation of sources and drains to the direction of ether flow, and the occurrence of forces, previously unknown in the axial direction of the sources and drains by reacting with the incident stream of ether.

The results of this study are fully consistent with experimental and experimental data obtained in the study of the interaction of the magnets and allow proving the mechanical nature of the

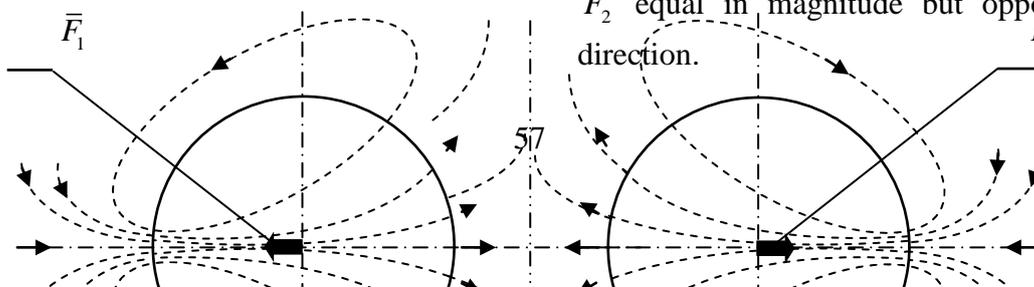
magnetic phenomena predicted by Faraday and Maxwell.

3.9 Interaction of the spherical sources and drains, having a common rotation axis

Consider the mechanical model of interaction of spherical sources and drains, having a common axis of rotation. In Fig. 3.9.1 and 3.9.2 are sectional lines of the velocity field of the current cumulative vectors elliptic longitudinal velocity components emitted (absorbed) ether streams rotating ball sources (drains), a source and drain, respectively, on the drawing plane coincident rotation axes obtained by applying the principle of superposition velocity fields.

Note: Given the complete interchangeability of sources and drains, in this case, to simplify, spherical objects in the figures are shown in generalized form. In Fig. 3.9.1 and 3.9.2 ball sources (drains) or the source and drain, respectively, to face each other, or source stack vectors elliptic longitudinal velocity component streams ether or drains, i.e. the eponymous poles, in the electromagnetic interpretation.

Faraday and Maxwell were proven that the magnetic unit disposed thicker tube, the greater the rate at which ether flows. Therefore ether velocity flows between the sources or drains or source and drain, respectively, indicated in Fig. 3.9.1 and 3.9.2 will be lower than at the ends. Consequently, the pressure in the streams between ether particles will be greater than at the ends. In this case, they will repel each other forces \bar{F}_1 and \bar{F}_2 equal in magnitude but opposite in direction.



N S S N

Figure 3.9.1

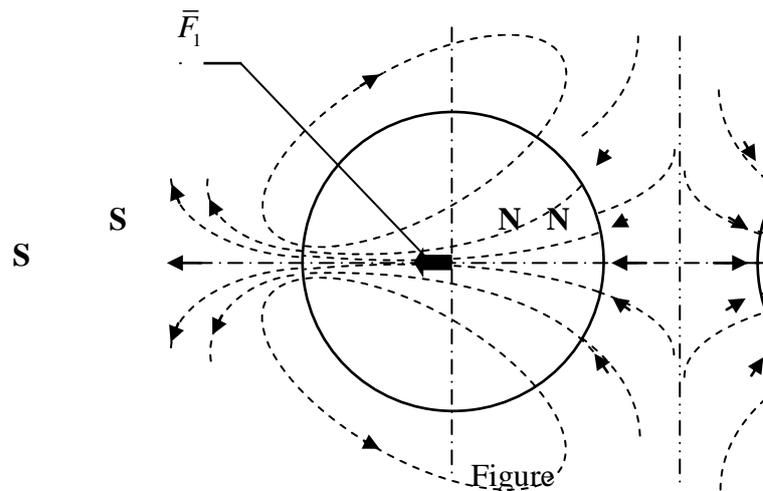
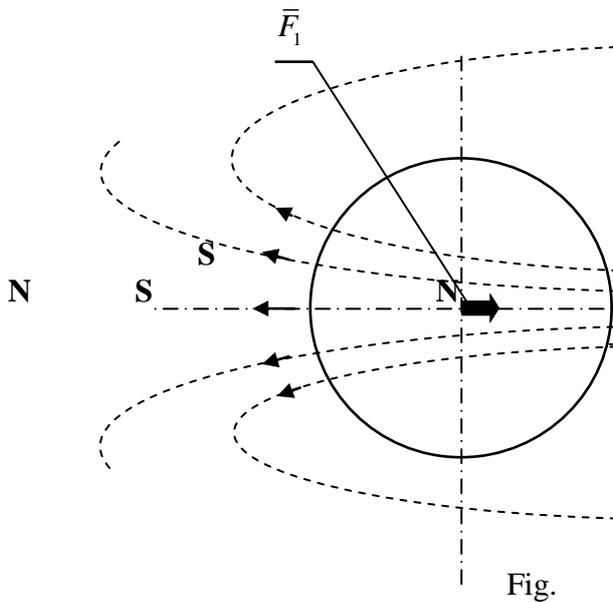


Figure 3.9.2

In Fig. 3.9.3 Ball sources (drains) or the source and drain, respectively, to face each other on the one hand sources summary vectors elliptic longitudinal velocity components ether flows, and on the other side of the drain summary vectors elliptic longitudinal velocity components ether streams, i.e. oppositely poles in the electromagnetic interpretation. Similarly to the above reasoning, we conclude that the rate of ether particles between sources (drains), a source and a drain, respectively, will be greater than at the ends. Consequently, the pressure in the streams between ether particles will be less than at the ends. In this case, they will be attracted to each other the forces \bar{F}_1 and \bar{F}_2 equal in magnitude but opposite in direction.



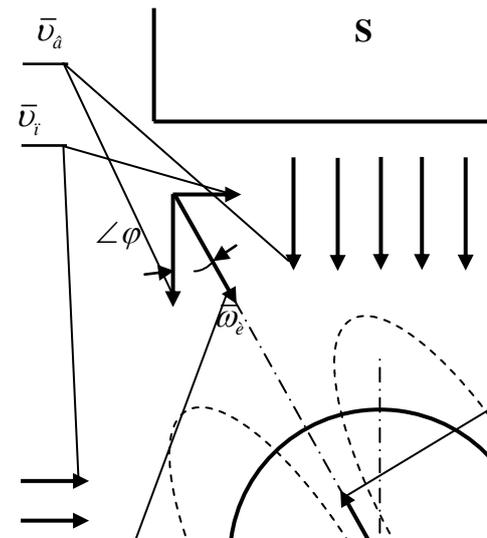
3.9.3

"The interaction of the two magnetic poles should occur under the same laws as the interaction of two electricity particles. Therefore, the idea of lines of force can be applied also to magnetism, and his theory is just as electrostatics can be illustrated by means of a moving fluid. Here, however, the study will have solution to the problem of how single cells in the fluid motion can present the polarity of the elementary magnets "Maxwell wrote. The results of this study make it possible to resolve, previously unknown, the question "how single cells in the fluid motion can present the polarity of the elementary magnets" and justify the mechanical nature of magnetic phenomena predicted by Faraday and Maxwell.

3.10 Interaction spherical sources and drains with mutually perpendicular streams ether

Consider a mechanical model of the interaction of the ball source streams with mutually perpendicular ether limited surface of the sphere radius R_e . The source emits ether vortex tube streams perpendicular to the surface at a rate

spheres \vec{v}_e and rotating with an angular velocity $\vec{\omega}_e$. The source is moved at a speed \vec{v}_o of perpendicularly with respect to the moving speed \vec{v}_a circulating stream vortex tubes ether, as shown in Fig. 3.10.3. The total whirlwind - $\vec{\omega}_a$, It is acting on the source, characterized by a total angular rotational speed of the circulating vortex tubes together ether stream on the source surface. In this case the source will be exposed to two mutually perpendicular ether streams - the vortex stream moving with velocity \vec{v}_a and the ram ether stream - \vec{v}_i , Equal and oppositely directed displacement rate source - \vec{v}_o , As well as the angular velocity $\vec{\omega}_a$. As shown in the study, 3.7, if we neglect the angular velocity $\vec{\omega}_a$, the axis of rotation of the source - $\vec{\omega}_e$ It will coincide with the vortex axis of the source - $\vec{\omega}_{ee}$, But opposite in direction. In this case, the rotation axis is directed toward the incoming stream, i.e. the total velocity vector stream ether $\vec{v}_{2ra} = \vec{v}_i + \vec{v}_a$ and inclined with respect to the vector \vec{v}_a on the corner $\angle \varphi$, as shown in Fig. 3.10.1.



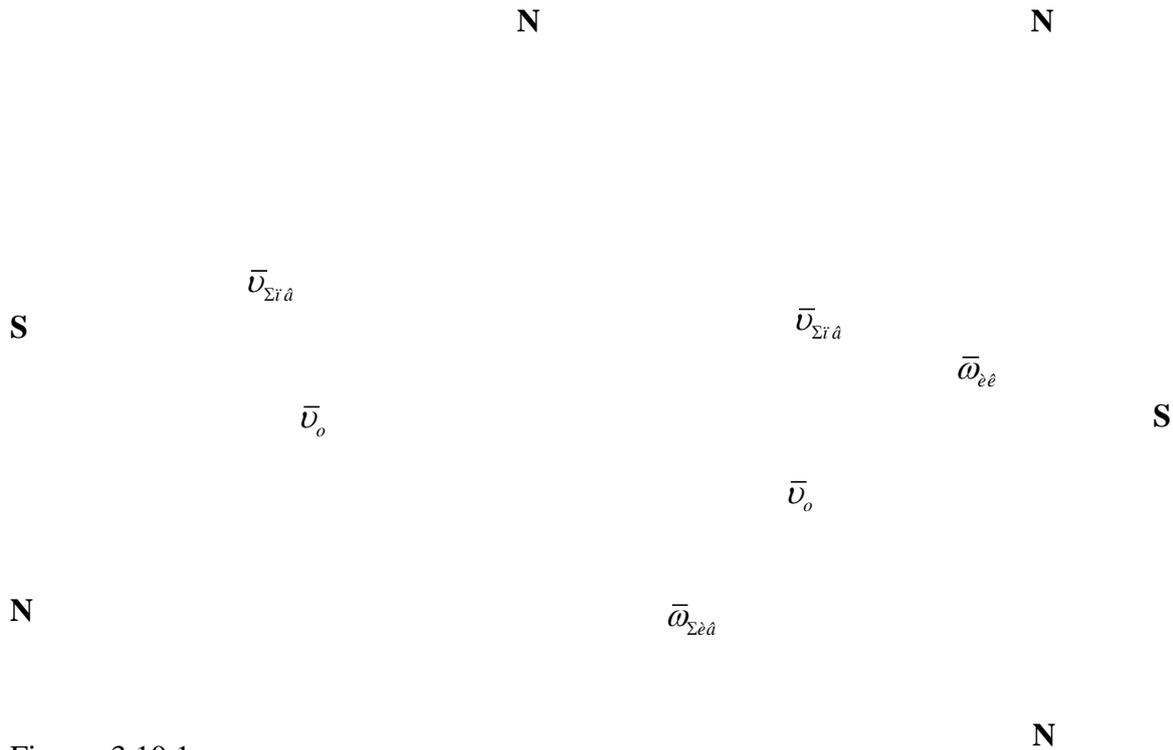
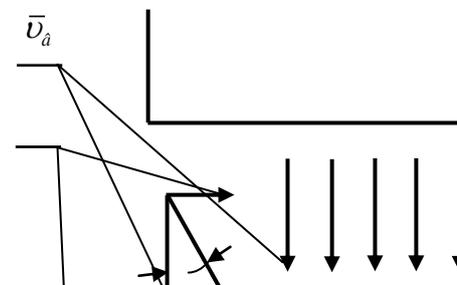
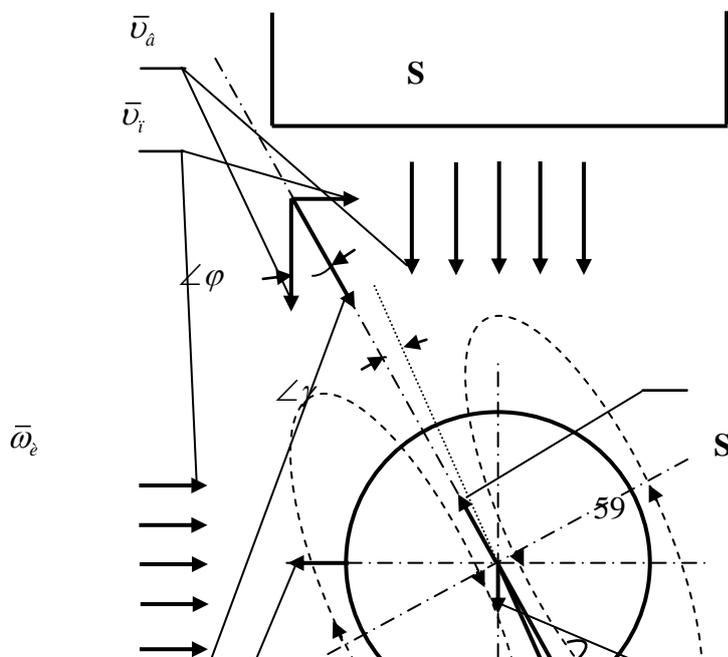


Figure: 3.10.1

If we consider the angular velocity $\bar{\omega}_{\dot{a}}$, Then the total angular velocity $\bar{\omega}_{\Sigma \dot{e} \dot{a}} = \bar{\omega}_{\dot{e} \dot{e}} + \bar{\omega}_{\dot{a}}$ vortices obliquely with respect to the source of rotational axis by angle $\angle \gamma$ clockwise, as shown in Fig. 3.10.2.

Figure: 3.10.2

But in this case, according to the evidence presented in the study 3.7, there is a torque that source to be deployed in the angle $\angle \gamma$ counterclockwise until it matches the sum of the vortex axis $\bar{\omega}_{\Sigma \dot{e} \dot{a}}$ with the direction of the total velocity vector stream ester $\bar{v}_{\Sigma i \dot{a}}$. In this connection, the rotation axis of the source - $\bar{\omega}_{\dot{e}}$ also it will turn on the angle $\angle \gamma$ counterclockwise, as shown in Figure 3.10.3.



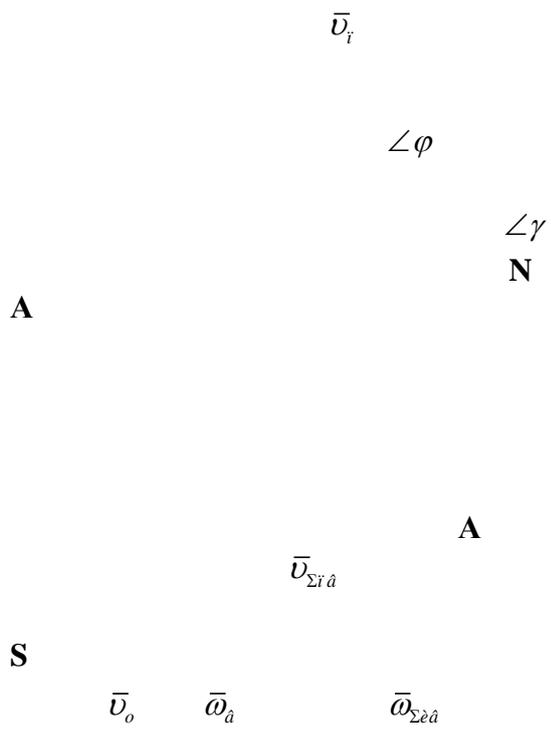


Figure: 3.10.3

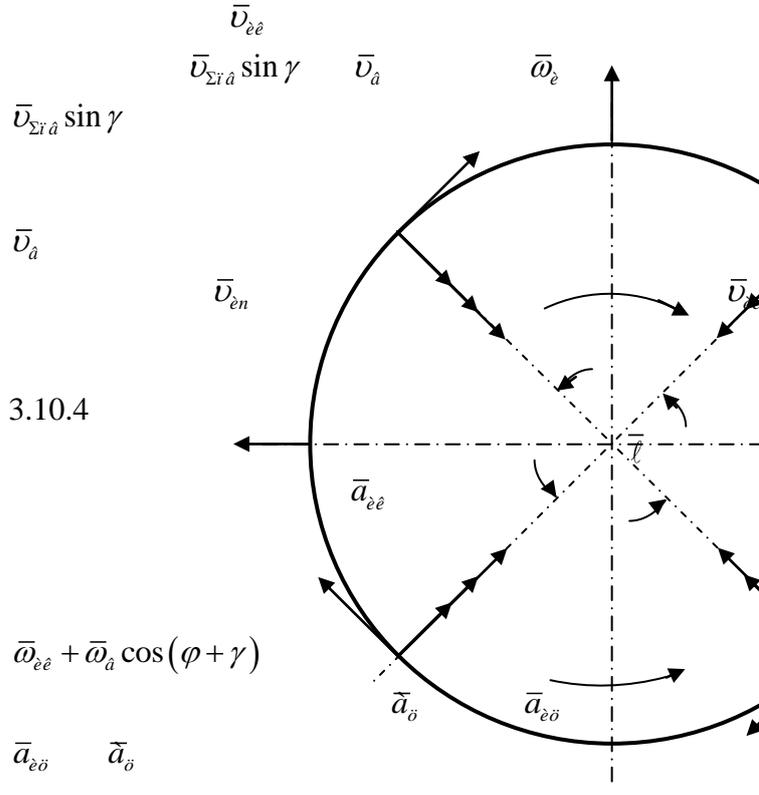
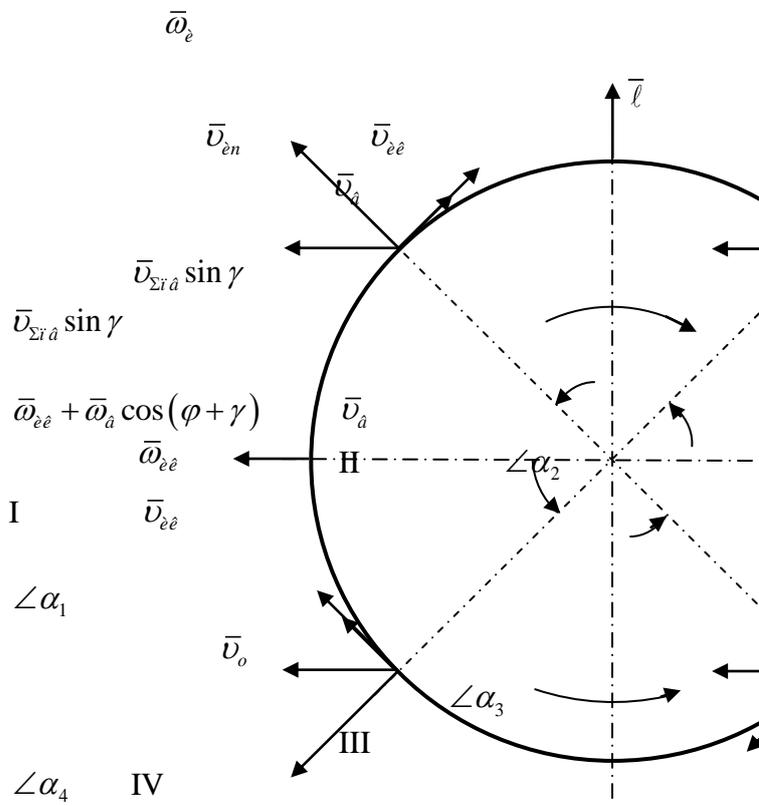
We define the projection of force $F_{\dot{\omega}_e \bar{\ell}}$ in the direction of the unit vector - $\bar{\ell}$, the observer perpendicular to the plane of Figure 3.10.3 acting in sections A-A of the source.

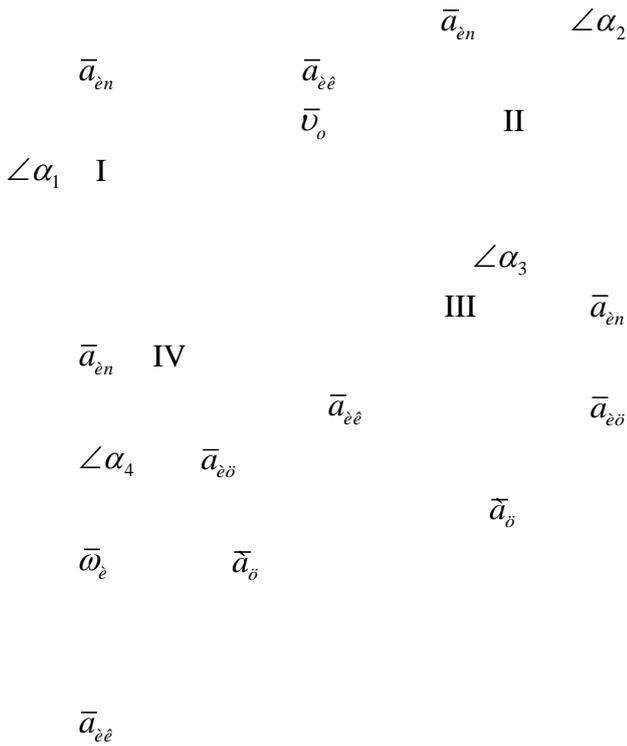
In Figure 3.10.4 and 3.10.5 are sectional source in a diametrical plane perpendicular to the vector $\bar{\omega}_e$.

To distinguish four quadrants surface sections I, II, III and IV, as shown in Figure 3.10.4 and 3.10.5.

In Figure 3.10.4 specified direction vectors constituting the particle velocities at points on a circle of radius by sectors I, II, III and IV, respectively.

In Figure 3.10.5 specified direction vectors constituting the accelerations at the points on a circle of radius R_e by sectors I, II, III and IV, respectively.





3.10.5

Where:

\bar{n} – the unit vector normal to the outer circumference;

$\angle\alpha_1, \angle\alpha_2, \angle\alpha_3$ and $\angle\alpha_4$ – the angle between the coordinate axes and the normals to the external circumference in sectors I, II, III and IV, respectively;

R_e – Circumference radius of the source;

ρ_y – Density ether filling space;

$\bar{v}_e = \sqrt{\bar{v}_{ee}^2 + \bar{v}_{eo}^2}$ – total velocity vector ether fluxes emitted by the source;

\bar{v}_{en} – vector normal velocity component ether streams emitted by the source;

$\bar{v}_{ee} = \bar{\omega}_{ee} \times \bar{R}_e$ – Vector of circular transverse velocity component ether streams emitted by the source;

$\bar{\omega}_{ee}$ – Vector stream ether angular rotation velocity of the emitted source;

$\bar{v}_a = \bar{\omega}_a \cos(\varphi + \gamma) \times \bar{R}_e$ – Vector component transverse circular ether stream rate, rotating at an angular velocity $\bar{\omega}_a$ according to the source in a projection on the circumference of the cross section;

$$\bar{v}_{\Sigma ee a} = \bar{v}_{ee} + \bar{v}_a = [\bar{\omega}_{ee} + \bar{\omega}_a \cos(\varphi + \gamma)] \times \bar{R}_e$$

– Total transverse circular velocity vector ether source stream;

\bar{a}_{en} – Vector of the normal component of acceleration ether fluxes emitted by a source with a rate \bar{v}_{en} ;

\bar{a}_{ee} – Vector of circular transverse acceleration component ether streams emitted by the source circle, to the speed \bar{v}_{ee} ;

\bar{a}_{eo} – Vector centripetal acceleration component ether streams emitted by the source circle, to the speed \bar{v}_{eo} ;

\bar{a}_a – Vector centripetal acceleration ether streams by rotating the source circle, to the speed \bar{v}_a ;

$\bar{v}_{\Sigma i a} = \sqrt{v_i^2 + v_a^2}$ – Total velocity vector and \bar{v}_i и \bar{v}_a .

Substituting in equation (3.4.3) the received symbols, we define the force projection $F_{e\omega_e \bar{l}}$, Acting in a section A-A in the direction of the source \bar{l} , Perpendicular to its motion, as a sum of terms of the sectors I, II, III and IV given the fact that $ds = R_e d\alpha$.

$$\begin{aligned}
 F_{e\omega_e \bar{l}} &= -k\rho_y \int_0^{2\pi} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{l} R_e d\alpha \\
 &= -k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{l} R_e d\alpha_1 - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{l} R_e d\alpha_2 - \\
 &\quad - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{l} R_e d\alpha_3 - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{l} R_e d\alpha_4
 \end{aligned}
 \tag{3.10.1}$$

First we define the values, $|\bar{v}_\Sigma \bar{n}|$ and $\bar{a}_\Sigma \bar{\ell}$ for sectors I, II, III and IV under provided that $v_{en} > v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha$

sector I,

$$|\bar{v}_\Sigma \bar{r}| = v_{en} - v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha$$

$$\bar{a}_\Sigma \bar{\ell} = -a_{en} \sin \alpha - a_{e\hat{o}} \sin \alpha - a_{\hat{a}} \sin \alpha - a_{e\hat{e}} \cos \alpha$$

sector II

$$|\bar{v}_\Sigma \bar{n}| = v_{en} + v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha$$

$$\bar{a}_\Sigma \bar{\ell} = -a_{en} \cos \alpha - a_{e\hat{o}} \cos \alpha - a_{\hat{a}} \cos \alpha + a_{e\hat{e}} \sin \alpha$$

sector III

$$|\bar{v}_\Sigma \bar{n}| = v_{en} + v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha$$

$$\bar{a}_\Sigma \bar{\ell} = a_{en} \sin \alpha + a_{e\hat{o}} \sin \alpha + a_{\hat{a}} \sin \alpha + a_{e\hat{e}} \cos \alpha$$

sector IV

$$|\bar{v}_\Sigma \bar{n}| = v_{er} - v_{\Sigma r} \sin \gamma \sin \alpha$$

$$\bar{a}_\Sigma \bar{\ell} = a_{er} \cos \alpha + a_{e\hat{o}} \cos \alpha + a_{\hat{a}} \cos \alpha - a_{e\hat{e}} \sin \alpha$$

Then, define the product $|\bar{v}_\Sigma \bar{n}| \bar{a}_\Sigma \bar{\ell}$ and draw the addition integrand by sectors I, II, III and IV

$$\sum_{i=1}^{IV} |\bar{v}_\Sigma \bar{n}| \bar{a}_\Sigma \bar{\ell} = -a_{er} v_{er} \sin \alpha - a_{e\hat{o}} v_{er} \sin \alpha - a_{\hat{a}} v_{er} \sin \alpha - a_{e\hat{e}} v_{er} \cos \alpha +$$

$$+ a_{er} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{e\hat{o}} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{\hat{a}} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma \cos^2 \alpha -$$

$$- a_{er} v_{er} \cos \alpha - a_{e\hat{o}} v_{er} \cos \alpha - a_{\hat{a}} v_{er} \cos \alpha + a_{e\hat{e}} v_{er} \sin \alpha -$$

$$- a_{er} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha - a_{e\hat{o}} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha - a_{\hat{a}} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha + a_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma \sin^2 \alpha +$$

$$+ a_{er} v_{er} \sin \alpha + a_{e\hat{o}} v_{er} \sin \alpha + a_{\hat{a}} v_{er} \sin \alpha + a_{e\hat{e}} v_{er} \cos \alpha +$$

$$+ a_{en} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{e\hat{o}} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{\hat{a}} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha + a_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma \cos^2 \alpha +$$

$$+ a_{er} v_{er} \cos \alpha + a_{e\hat{o}} v_{er} \cos \alpha + a_{\hat{a}} v_{er} \cos \alpha - a_{e\hat{e}} v_{er} \sin \alpha$$

$$- a_{er} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha - a_{e\hat{o}} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha - a_{\hat{a}} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha +$$

$$+ 2a_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma$$

$$(3.10.2)$$

Substituting the value found in equation

$$(3.10.1)$$

$$F_{e\omega_e \bar{\ell}} = -k \rho_y \int_0^{2\pi} |\bar{v}_\Sigma \bar{n}| \bar{a}_\Sigma \bar{\ell} R_e d\alpha = -2k \rho_y R_e \hat{a}_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma \int_0^{\pi/2} d\alpha = -2k \rho_y R_e \hat{a}_{e\hat{e}} v_{\Sigma r \hat{a}} \sin \gamma$$

$$(3.10.3)$$

Now we define the magnitude of the projection of the force acting generally towards the source $\bar{\ell}$ - $F_{\Sigma \hat{e} \bar{\ell}}$ (Figure 3.10.6)

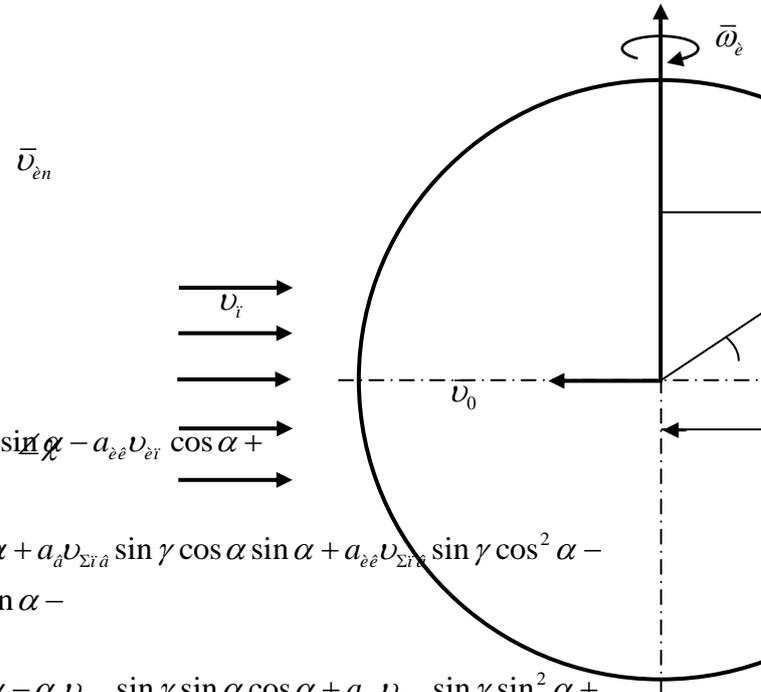


Figure: 3.10.6

Since the projection of forces in all sections of the source is proportional to the radius of the circle cross section and the projection of radiation stream velocity ether \bar{v}_{en} in the sectional plane, to

determine the value of the projection of the force acting on the whole of the source, it is sufficient to carry out the integration of equation (3.10.3) on the surface of the sphere:

$$F_{\Sigma \bar{e} \bar{l}} = -k\pi\rho_y a_{\bar{e} \bar{e}} v_{\Sigma \bar{i} \bar{a}} \sin \gamma \int_{-\frac{\pi}{2}}^{\frac{\pi}{2}} v_{\bar{e} \chi} R_{\chi} d\chi$$

$$= -k\pi\rho_y R_{\bar{e}} a_{\bar{e} \bar{e}} v_{\Sigma \bar{i} \bar{a}} \sin \gamma \left(\frac{\chi}{2} + \frac{1}{4} \sin 2\chi \right)_{-\pi/2}^{\pi/2} = -0,5k\pi\rho_y R_{\bar{e}} a_{\bar{e} \bar{e}} v_{\Sigma \bar{i} \bar{a}} \sin \gamma$$

(3.10.4)

Where: $\angle \chi$ – the angle between the plane of a diametrical sectional areas perpendicular to the rotational axis – $\bar{\omega}_{\bar{e}}$ and the direction from the center of the sphere to its surface;

$R_{\bar{e} \chi} = R_{\bar{e}} \cos \chi$ – sphere radius of the section perpendicular to the plane $\bar{\omega}_{\bar{e}}$, Passing through the intersection of the sphere ray drawn from the center of the sphere at an angle $\angle \chi$ to its surface;

$v_{\bar{e} \chi} = v_{\bar{e} n} \cos \chi$ –the projection of the velocity of ether stream to the radiator section plane of a sphere of radius R_{χ} .

As then $\bar{\omega}_{\Sigma \bar{e} \bar{a}} = \bar{\omega}_{\bar{e} \bar{e}} + \bar{\omega}_{\bar{a}}$, TO

$$\omega_{\Sigma \bar{e} \bar{a}} = \omega_{\bar{e} \bar{e}} \cos \gamma + \omega_{\bar{a}} \cos \varphi$$

Then $\cos \gamma = \frac{\omega_{\Sigma \bar{e} \bar{a}} - \omega_{\bar{a}} \cos \varphi}{\omega_{\bar{e} \bar{e}}}$, but

$$\sin \gamma = \sqrt{1 - \frac{(\omega_{\Sigma \bar{e} \bar{a}} - \omega_{\bar{a}} \cos \varphi)^2}{\omega_{\bar{e} \bar{e}}^2}} \quad (3.10.5)$$

Substituting the value found in (3.10.4), taking into account that $v_{\Sigma \bar{i} \bar{a}} = \sqrt{v_i^2 + v_a^2}$, we finally obtain:

$$F_{\Sigma \bar{e} \bar{l}} = -0,5k\pi^2 \rho_y R_{\bar{e}} a_{\bar{e} \bar{e}} \sqrt{v_i^2 + v_a^2} \sqrt{1 - \frac{(\omega_{\Sigma \bar{e} \bar{a}} - \omega_{\bar{a}} \cos \varphi)^2}{\omega_{\bar{e} \bar{e}}^2}} \quad (3.10.6)$$

Now consider the mechanical model of interaction stream $\frac{\pi}{2}$ with mutually perpendicular to the $\bar{\omega}_{\bar{e}}$ from ether, the limited surface of the sphere radius $R_{\bar{e}}$. Drain absorbs ether vortex tube streams perpendicular to the surface at a rate \bar{v}_o spheres, and rotates with the angular velocity $\bar{\omega}_c$. Drain is moved at a speed \bar{v}_o of perpendicularly to the moving speed \bar{v}_a circulating stream vortex tubes ether as shown in Fig. 3.10.9. The total whirlwind - $\bar{\omega}_a$, acting on the stream characterized by a total angular velocity of rotation of the vortex tubes together ether circulating stream on the surface runoff. In this case, the drain will be exposed to two mutually perpendicular ether streams - the vortex stream moving with velocity \bar{v}_a and the ram ether stream - \bar{v}_i , equal and oppositely directed to the velocity moving stream – \bar{v}_o as well as the angular velocity $\bar{\omega}_a$. As was shown in Section 4.7 that if we neglect the angular velocity $\bar{\omega}_a$, then drain the rotation axis coincides with the axis of the vortex flow, including the direction. In this case, the rotation axis is directed in the same direction as the incoming stream ester, i.e. in the direction of the total velocity vector stream ether $\bar{v}_{\Sigma \bar{i} \bar{a}} = \bar{v}_i + \bar{v}_a$ and inclined with respect to the vector \bar{v}_a on the corner $\angle \varphi$, as shown in Figure 3.10.7.

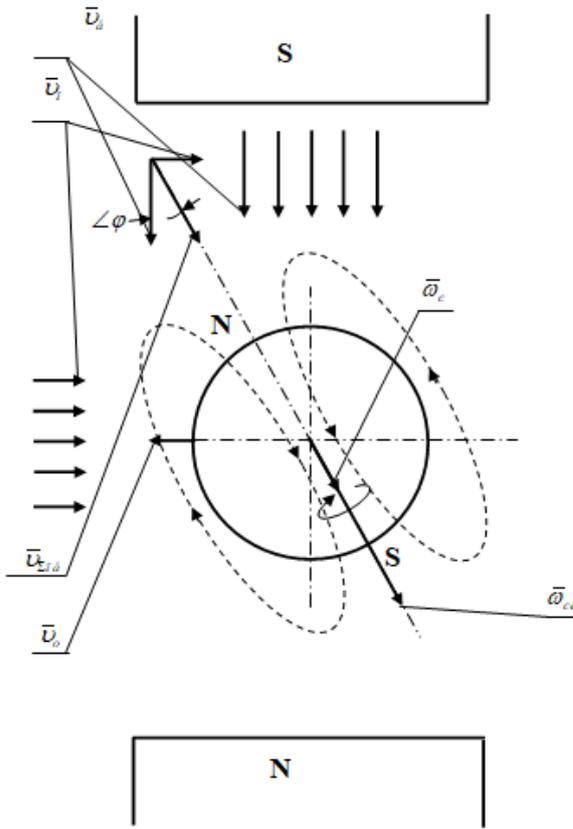


Figure: 3.10.7

If we consider the angular velocity $\bar{\omega}_a$, then the total angular velocity vortices $\bar{\omega}_{\Sigma \dot{n} \dot{a}} = \bar{\omega}_{\dot{n} \dot{e}} + \bar{\omega}_a$ obliquely with respect to the source of rotational axis by angle $\angle \gamma$ clockwise, as shown in Fig. 3.10.8.

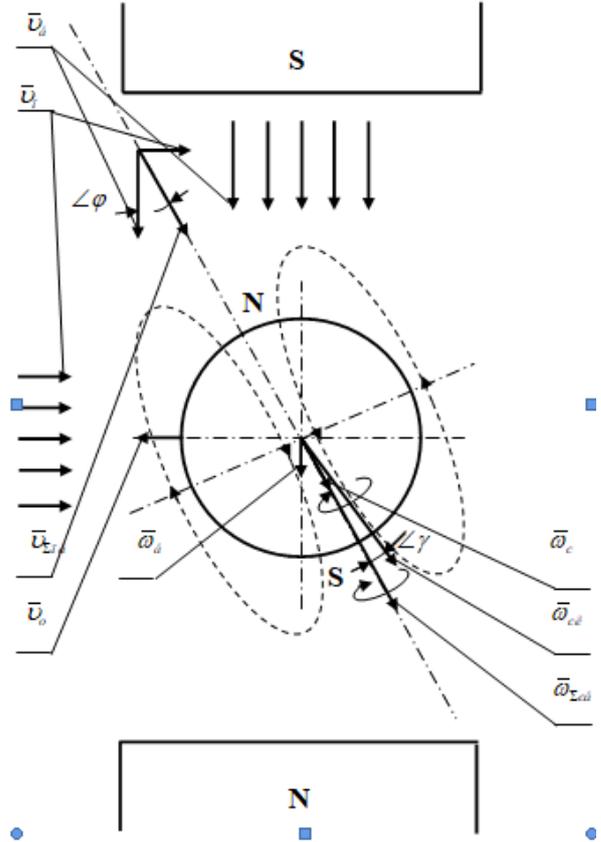


Figure: 3.10.8

But in this case, according to the evidence presented in Section 3.7, there is a torque that is to be deployed in the angle $\angle \gamma$ counterclockwise until it matches the sum of the vortex axis $\bar{\omega}_{\Sigma c \dot{a}}$ with the direction of the total velocity vector stream ether $\bar{u}_{\Sigma i \dot{a}}$. In this connection, the rotation axis Photo also will turn on the angle $\angle \gamma$ counterclockwise, as shown in Fig. 3.10.9.

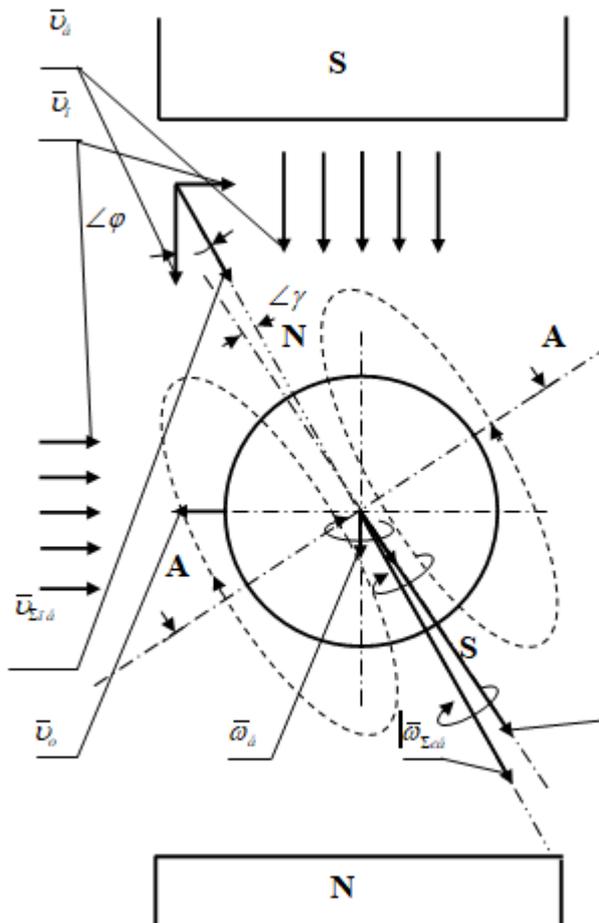


Fig. 3.10.9

We define the projection of force $F_{c\omega_c \bar{\ell}}$ in the direction of the unit vector $-\bar{\ell}$. The observer perpendicular to the plane of Fig. 3.10.9 operating in section A-A in drain.

In Fig. 3.10.10 and 3.10.11 are sectional stream in the diametrical plane perpendicular to the vector \bar{w}_c .

To distinguish four quadrants surface sections I, II, III and IV, as shown in Fig. 3.10.10 and 3.10.11.

In Fig. 3.10.10 direction vectors are velocity components ether streams at points on a circle of radius R_n by sectors I, II, III and IV, respectively.

In Fig. 3.10.11 specified direction vectors constituting accelerations ether streams at points on a circle of radius R_n by sectors I, II, III and IV, respectively.

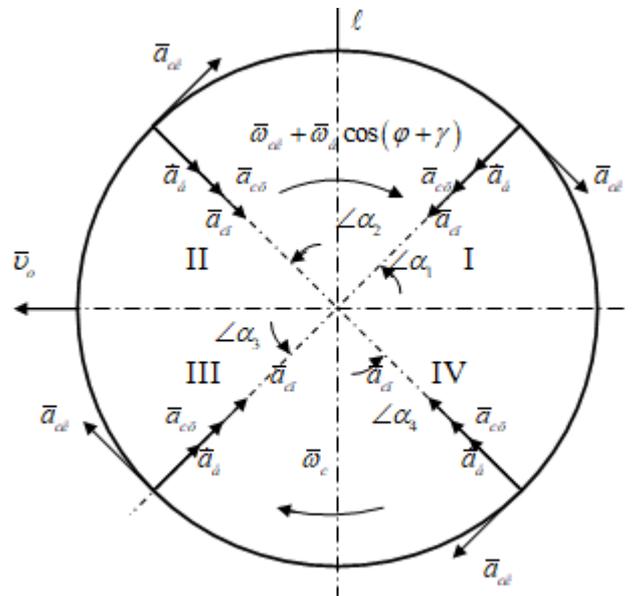


Fig. 3.10.10

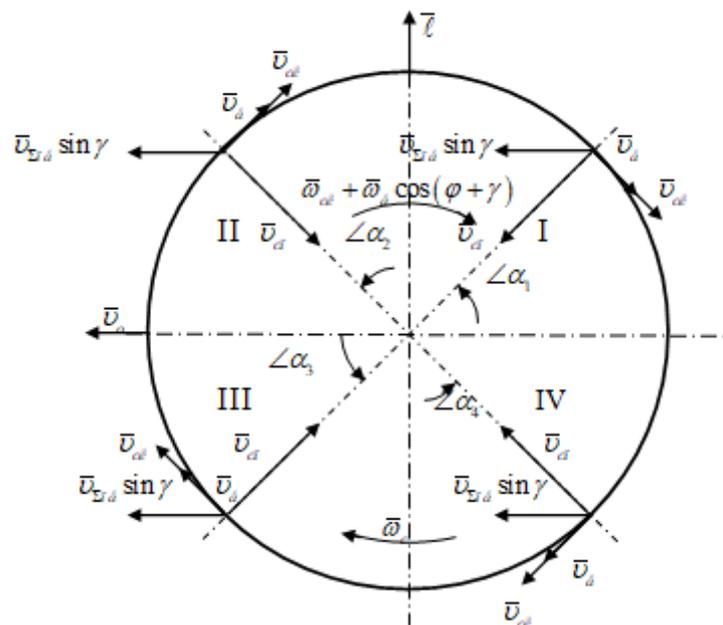


Fig. 3.10.11

Where:

\bar{n} – the unit vector normal to the outer circumference;

$\angle\alpha_1, \angle\alpha_2, \angle\alpha_3$ and $\angle\alpha_4$ – the angle between the coordinate axes and the normals to the external circumference in sectors I, II, III and IV, respectively;

$R_{\bar{n}}$ – circle radius of the flow;

ρ_y – density ether filling space;

$\bar{v}_{\bar{n}} = \sqrt{\bar{v}_{\bar{n}}^2 + \bar{v}_{\bar{n}\hat{e}}^2}$ – total velocity vector ether streams absorbed drain;

$\bar{v}_{c\hat{r}}$ – vector of the normal component of the stream velocity ether absorbed drain;

$\bar{v}_{c\hat{e}} = \bar{\omega}_{c\hat{e}} \times \bar{R}_{\bar{n}}$ – vector component transverse circular ether stream rate absorbed by the drain;

$\bar{\omega}_{c\hat{e}}$ – vector ether angular velocity absorbed drain;

$\bar{v}_{\hat{a}} = \bar{\omega}_{\hat{a}} \cos(\varphi + \gamma) \times \bar{R}_{\bar{n}}$ – vector component transverse circular ether stream rate, rotating at an angular velocity $\bar{\omega}_{\hat{a}}$ stream circumferentially in a projection on the cross section;

$\bar{v}_{\Sigma\hat{n}\hat{e}\hat{a}} = \bar{v}_{\hat{n}\hat{e}} + \bar{v}_{\hat{a}} = [\bar{\omega}_{\hat{n}\hat{e}} + \bar{\omega}_{\hat{a}} \cos(\varphi + \gamma)] \times \bar{R}_{\bar{n}}$ – Total vector ether circular transverse velocity stream streams;

$\bar{a}_{c\hat{r}}$ – Vector of the normal component of acceleration ether fluxes absorbed by the drain at a rate $\bar{v}_{c\hat{r}}$;

$\bar{a}_{c\hat{o}}$ – vector centripetal acceleration component streams ether absorbed by the drain and the rotating circumferential section with a velocity $\bar{v}_{c\hat{e}}$;

$\bar{a}_{\hat{n}\hat{e}}$ – Vector of circular transverse acceleration component streams ether

absorbed drain and rotating circumferentially in a section at a rate $\bar{v}_{\hat{n}\hat{e}}$;

$\bar{a}_{\hat{a}}$ – Vector stream centripetal acceleration ether rotating circumferentially in a section at a rate $\bar{v}_{\hat{a}}$;

$\bar{v}_{\Sigma\hat{r}\hat{a}} = \sqrt{\bar{v}_{\hat{r}}^2 + \bar{v}_{\hat{a}}^2}$ – Total velocity vector $\bar{v}_{\hat{r}}$ and $\bar{v}_{\hat{a}}$.

Substituting in equation (3.4.3) the received symbols, we define the force projection $F_{c\omega_c\bar{\ell}}$, acting in a section A-A in stream direction $\bar{\ell}$, perpendicular to its motion, as a sum of terms of the sectors I, II, III and IV given the fact that $ds = R_{\bar{n}}d\alpha$

$$\begin{aligned} F_{c\omega_c\bar{\ell}} &= -k\rho_y \int_0^{2\pi} |\bar{v}_{\Sigma}\bar{n}| \bar{a}_{\Sigma}\bar{\ell} R_{\bar{n}} d\alpha \\ &= -k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma}\bar{n}| \bar{a}_{\Sigma}\bar{\ell} R_{\bar{n}} d\alpha_1 - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma}\bar{n}| \bar{a}_{\Sigma}\bar{\ell} R_{\bar{n}} d\alpha_2 - \\ &\quad - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma}\bar{n}| \bar{a}_{\Sigma}\bar{\ell} R_{\bar{n}} d\alpha_3 - k\rho_y \int_0^{\pi/2} |\bar{v}_{\Sigma}\bar{n}| \bar{a}_{\Sigma}\bar{\ell} R_{\bar{n}} d\alpha_4 \end{aligned} \quad (3.10.7)$$

We define the values, $|\bar{v}_{\Sigma}\bar{n}|$ and $\bar{a}_{\Sigma}\bar{\ell}$ for sectors I, II, III and IV

Provided that $v_{c\hat{r}} > v_{\Sigma\hat{r}\hat{a}} \sin \gamma \cos \alpha$ we get:

Sector I,

$$\begin{aligned} |\bar{v}_{\Sigma}\bar{r}| &= v_{c\hat{r}} + v_{\Sigma\hat{r}\hat{a}} \sin \gamma \cos \alpha \\ \bar{a}_{\Sigma}\bar{\ell} &= -a_{c\hat{r}} \sin \alpha - a_{c\hat{o}} \sin \alpha - a_{\hat{a}} \sin \alpha - a_{c\hat{e}} \cos \alpha \end{aligned}$$

sector II

$$\begin{aligned} |\bar{v}_{\Sigma}\bar{n}| &= v_{c\hat{r}} - v_{\Sigma\hat{r}\hat{a}} \sin \gamma \sin \alpha \\ \bar{a}_{\Sigma}\bar{\ell} &= -a_{c\hat{r}} \cos \alpha - a_{c\hat{o}} \cos \alpha - a_{\hat{a}} \cos \alpha + a_{c\hat{e}} \sin \alpha \end{aligned}$$

sector III

$$\begin{aligned} |\bar{v}_{\Sigma}\bar{n}| &= v_{c\hat{r}} - v_{\Sigma\hat{r}\hat{a}} \sin \gamma \cos \alpha \\ \bar{a}_{\Sigma}\bar{\ell} &= a_{c\hat{r}} \sin \alpha + a_{c\hat{o}} \sin \alpha + a_{\hat{a}} \sin \alpha + a_{c\hat{e}} \cos \alpha \end{aligned}$$

sector IV

$$|\bar{v}_{\Sigma}\bar{n}| = v_{\bar{n}} + v_{\Sigma\hat{r}\hat{a}} \sin \gamma \sin \alpha$$

$$\bar{a}_{\Sigma} \bar{\ell} = a_{c_i} \cos \alpha + a_{c_o} \cos \alpha + a_a \cos \alpha - a_{c_e} \sin \alpha$$

Then, define the product $|\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{\ell}$ and draw the addition integrand by sectors I, II, III and IV

$$\sum_{i=1}^{IV} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{\ell} = -a_{c_i} v_{c_i} \sin \alpha - a_{c_o} v_{c_i} \sin \alpha - a_a v_{c_i} \sin \alpha -$$

$$-a_{c_i} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha - a_{c_o} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha -$$

$$-a_{c_i} v_{c_i} \cos \alpha - a_{c_o} v_{c_i} \cos \alpha - a_a v_{c_i} \cos \alpha + a_{c_e} v_{c_i} \sin \alpha$$

$$+ a_{c_i} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha + a_{c_o} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha +$$

$$+ a_{c_i} v_{c_i} \sin \alpha + a_{c_o} v_{c_i} \sin \alpha + a_a v_{c_i} \sin \alpha + a_{c_e} v_{c_i} \cos \alpha -$$

$$- a_{c_i} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha - a_{c_o} v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha - a_a v_{\Sigma r \hat{a}} \sin \gamma \cos \alpha \sin \alpha - a_{c_e} v_{\Sigma r \hat{a}} \sin \gamma \cos^2 \alpha +$$

$$+ a_{c_i} v_{c_i} \cos \alpha + a_{c_o} v_{c_i} \cos \alpha + a_a v_{c_i} \cos \alpha - a_{c_e} v_{c_i} \sin \alpha +$$

$$+ a_{c_i} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha + a_{c_o} v_{\Sigma r \hat{a}} \sin \gamma \sin \alpha \cos \alpha + a_{c_e} v_{\Sigma r \hat{a}} \sin^2 \alpha$$

$$- 2a_{c_e} v_{\Sigma r \hat{a}} \sin \gamma$$

(3.10.8)

Substituting the value found in equation

(3.10.7)

$$F_{c_{\omega} \bar{\ell}} = -k \rho_y \int_0^{2\pi} |\bar{v}_{\Sigma} \bar{n}| \bar{a}_{\Sigma} \bar{\ell} R_n d\alpha = 2k \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma \int_0^{\pi/2} d\alpha = 2k \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma \left(\frac{\pi}{2} \right) = k \pi \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma$$

(3.10.9)

Now we define the magnitude of the projection of the force acting as a

whole on drain in the direction $\bar{\ell}$ - $F_{\Sigma c \bar{\ell}}$

(See Fig. 3.10.12).

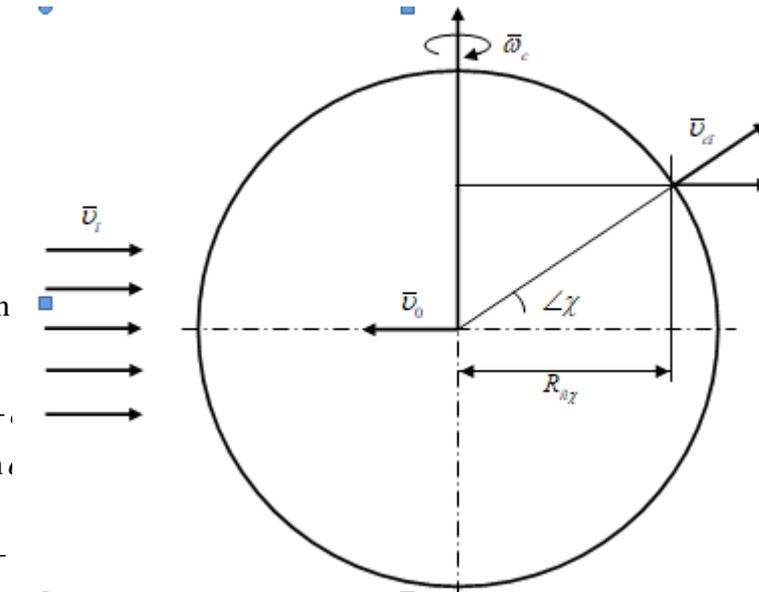


Fig. 3.10.12

Since the projections acting force value in all sections Photo proportional to the radius of the circle and the projection of the absorption cross section $\sigma_{\Sigma} \sin \alpha$ on the plane, to determine the values of the projection of the force acting as a whole on drain, it is sufficient to carry out the integration of equation (3.10.9) over a sphere:

$$F_{\Sigma c \bar{\ell}} = k \pi \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma \int_{-\pi/2}^{\pi/2} \sin \gamma d\chi = k \pi \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma \left[\frac{\chi}{2} + \frac{1}{4} \sin 2\chi \right]_{-\pi/2}^{\pi/2} = 0,5 k \pi^2 \rho_y R_n \hat{a} v_{\Sigma r \hat{a}} \sin \gamma$$

(3.10.10)

Where: $\angle \chi$ - the angle between the plane of a diametrical sectional areas perpendicular to the rotational axis - $\bar{\omega}_c$ and the direction from the center of the sphere to its surface;

$R_{\bar{n}\chi} = R_{\bar{n}} \cos \chi$ - sphere radius of the section perpendicular to the plane $\bar{\omega}_c$, passing through the intersection of the sphere ray drawn from the center of the sphere at an angle $\angle \chi$ to its surface;

$v_{c\chi} = v_{c\bar{i}} \cos \chi$ - the projection of ether stream velocity of radiation source on the plane sections of the sphere radius $R_{\bar{n}\chi}$.

As then $\bar{\omega}_{\Sigma\bar{n}\hat{a}} = \bar{\omega}_{\bar{n}\hat{e}} + \bar{\omega}_{\hat{a}}$, TO

$$\omega_{\Sigma\bar{n}\hat{a}} = \omega_{\bar{n}\hat{e}} \cos \gamma + \omega_{\hat{a}} \cos \varphi$$

Then $\cos \gamma = \frac{\omega_{\Sigma\bar{n}\hat{a}} - \omega_{\hat{a}} \cos \varphi}{\omega_{\bar{n}\hat{e}}}$, but

$$\sin \gamma = \sqrt{1 - \frac{(\omega_{\Sigma\bar{n}\hat{a}} - \omega_{\hat{a}} \cos \varphi)^2}{\omega_{\bar{n}\hat{e}}^2}}$$

(3.10.11)

Substituting the value found in (3.10.10), taking into account that $v_{\Sigma\bar{i}\hat{a}} = \sqrt{v_i^2 + v_{\hat{a}}^2}$, we finally obtain:

$$F_{\Sigma\bar{n}\bar{l}} = 0,5k\pi^2 \rho_y R_{\bar{n}} a_{\bar{n}\hat{e}} \sqrt{v_i^2 + v_{\hat{a}}^2} \sqrt{1 - \frac{(\omega_{\Sigma\bar{n}\hat{y}\hat{a}} - \omega_{\hat{a}} \cos \varphi)^2}{\omega_{\bar{n}\hat{y}}^2}}$$

(3.10.12)

This study is set, not previously known dependence of the forces acting on the sources and drains in the interaction with mutually perpendicular streams ester

the velocities and accelerations, both the sources and drains, and the impinging ether streams.

4. EXAMPLES OF PRACTICAL APPLICATION RESULTS OF THE STUDY

"When we move so far forward that we can give the mechanics of the ether, then, of

course, there will come too many things in it that are now as necessary assigned to physics"

From all the preceding it follows that the overcoming of the crisis provoked by pseudoscientists in natural science and philosophy is impossible without a return to the views of Faraday and Maxwell on the mechanics of the ether, based on the principles of dialectical materialism.

It was on the critique of the ether that the fans of the quantum-relativistic pseudo-scientific fashion "went crazy into idealism."

"New physics - wrote V.I. Lenin - gone mad in idealism, mainly because the physicists did not know dialectics. " Summarizing the deplorable results of the antiscientific activity of pseudo-scientific fraudsters that led to the collapse in theoretical thinking provoked by the quantum-relativistic subconscious, Nobel Prize winner W. Heisenberg, expressing the opinion of outstanding scientists, states that "... it would be desirable to return to the notion of the reality of classical physics, or , Speaking in a more general form, to the ontology of materialism, in other words, to the idea of an objective real world ... A unified field theory could

be an object of speculation for Einstein. For our days, it is absolutely necessary for theoretical physics. Of course, one can ask whether this theory will be a unified field theory or some other mathematical apparatus more suitable for describing experiments. But this future theory should be single, encompassing a set of empirical fields. With the current state of physics, we are still far from completely solving all problems. But this program has maintained its philosophical strength in spite of, or rather, thanks to all the new experimental data on elementary particles and the program opens, perhaps **the most exciting area of research of our time.** "The way out of the crisis was predetermined by Academician V.F. Mitkevich: "... the creation of a physical theory covering the widest range of phenomena is difficult and probably completely impossible on the grounds of denying the primary meaning of the environment and on the basis of objectifying action at a distance as a primary physical phenomenon. Until now, the general physical theory does not yet exist in a complete form. But one can rightfully state that in the future physical thought will return to the fundamental views of Faraday and Maxwell, develop them by taking into account all new achievements and complete the construction of a general physical theory ... in any case, the Faraday-Maxwellian point of view on the question of direct Participation of the environment in all physical processes is the only conceivable guiding thread for the further successful development of modern physics ..."

4.1 On the cyclic evolutionary development of objects Material systems on Example Evolution Galaxies

For more than a hundred years now, the attention of scientists from resolving the

fundamental problem of natural science and philosophy about the physical essence of the interaction of material objects has been abstracted by Einstein's treatment of interaction, as a result of the manifestation of the geometric properties of the curvature of space-time.

"The most advanced hypothesis - apologists Einstein wrote - this explanation of the origin of the universe *Big Bang theory*. In accordance with this theory, ~ 15 billion years ago, our universe was compressed into a ball, billions of times smaller than a pinhead. According to mathematical calculations, its diameter was zero, and the density was close to infinity. This condition is called *singular* - infinite density in a point scale. The unstable initial state of the substance led to an explosion that gave rise to a jump like transition to the expanding universe. The earliest stage in the development of the universe is called **inflationary** - its period to 10^{-33} seconds after the explosion. As a result, space and time arise. The size of the universe is several times higher than the size of modern, no substance. The next stage - **is hot**. The release of heat is associated with the released energy in the Great Explosion. Radiation heated the universe to 1027 K. Then came the period of cooling the universe for ~ 500 thousand years. As a result, a homogeneous universe emerged. The transition from homogeneous to structural took place from 1 to 3 billion years ". /ecos.org.ua/ denying the achievements of outstanding scientists of all time and peoples in the field of cognition of the structure and mechanics of the motion of matter, pseudoscientific scammers and reactionary obscurantist agreed to the "top of the absurdity", the cosmology of the "big bang". Unmasking the antiscientific nature of modern ideas about the "creation of the universe" in accordance with Einstein's speculations, Nobel Prize winner H. Alven wrote: "The less scientific evidence exists, the more fanatical is the belief in this myth. As you

know, this cosmological theory is the height of the absurd - it claims that the entire universe arose at some particular point, like an exploding atomic bomb measuring (more or less) a pinhead. It seems that in the present intellectual atmosphere the enormous advantage of the cosmology of the "big bang" is that it is an insult to common sense: credo, quia absurdum ("I believe, for it is absurd")! When scientists fight against astrological nonsense outside the "temples of science," it would be nice to remember that even worse nonsense is sometimes cultivated within these walls. " Namely, "pseudoscientific scammers" such as Einstein, Ioffe, Ginsburg, Alekasndrov, Osipov, Fortov, Sadkov, Kruglyakovs and other newly-discovered inquisitors of the 20th and 21st centuries are trying to substitute true scientific knowledge with religious opium and obscurantism by "insulting common sense, top of absurdity and worst nonsense". In connection with this, for the purposes of the present study, "a return to the ontology of materialism, to the idea of an objective real world," a return to the concepts of the reality of classical physics and, first of all, to the teaching of dialectical materialism rejected by pseudoscientists as "not on modern Level "of their" stupidity and absurdity, "by definition Isaac Newton, and, therefore, naturally, not representing for them any interest. In his fundamental work, *Dialectics of Nature*, Engels expounded a materialist view of the structure and motion of matter in its development and interaction. According to these views: "All available to us nature forms a certain system, a kind of aggregate connection of bodies, and we understand here under the word body all material realities, from the star to the atom and even a particle of the ether. In the circumstance that these bodies are in mutual connection, it is already that they act on each other and this is their mutual influence on each other and is precisely the

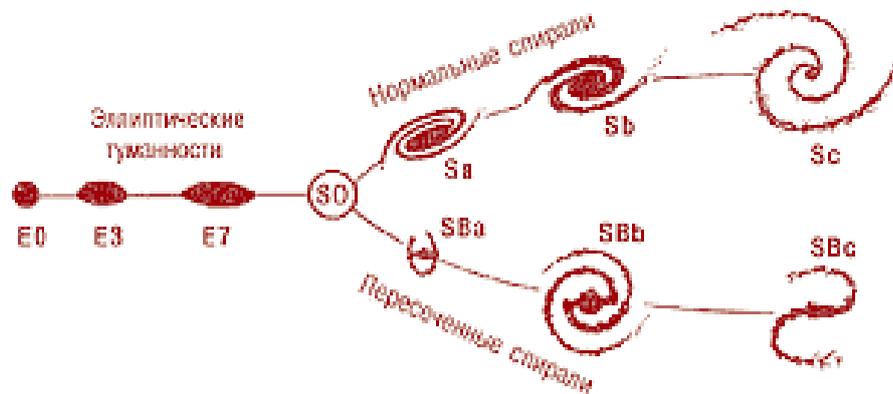
movement. A new outlook on nature was ready in its basic features: everything frozen became current, all motionless became mobile, all that special that was considered eternal turned out to be rolling, it was proved that all nature moves in eternal stream and cycle. And now we again returned to the view of the great founders of Greek philosophy that all nature, from the smallest particles of it to the greatest bodies, from grains of sand and ending with the sun, from protists to man, is in eternal appearance and disappearance, in a continuous Flow, in relentless motion and change. With the only significant difference that what the Greeks had a brilliant guess is our result of rigorous scientific research based on experience, and therefore has a much more definite and clear form. True, the empirical evidence of this cycle is not yet completely free from gaps, but the latter are insignificant compared to what has already been firmly established; Moreover, they are more and more filled every year. From the vortex-rotating glowing gaseous nebulae, whose laws of motion may be discovered by us only after observations for several centuries give us a clear idea of our own movement of the stars-have evolved through the compression and cooling of the countless suns and solar systems of our world The island, bounded by the most extreme star rings of the Milky Way. Evolution was evidently not everywhere at the same speed. Astronomy is more and more forced to recognize the existence in our star system of dark, not only planetary bodies, hence, extinct suns (Medler); On the other hand (according to Seki), part of gaseous foggy spots belongs, as still unready suns, in our stellar system, which does not exclude the fact that other nebulae, as Medler argues, are distant independent world islands, the relative degree of development of which must be established spectroscopically. Laplace showed a detailed and not yet surpassed image of how the solar system develops from a

separate foggy mass; later science more and more confirms the course of his thoughts. But "everything that arises deserves to perish" ... The Earth - a dead, cooled ball like the Moon - will circulate in deep darkness over ever shorter orbits around the dying Sun, too, to which it eventually falls. Some planets will experience this fate earlier, others later on Earth. And the same fate that befalls our solar system must comprehend the systems of all the other countless world islands, even those whose light will never reach the Earth... Now they begin to recognize more and more the possibility of such a transformation. They come to the conclusion that the ultimate fate of celestial bodies is to fall on each other, and even calculate the amount of heat that should develop in such collisions. The sudden appearance of new stars, the sudden increase in the brightness of long-known stars, which astronomy tells us, is most easily explained by such collisions. Moreover, one must bear in mind that not only our planet group revolves around the Sun, but our Sun moves inside our world island, but that the whole of our world island is moving in the world space, being in temporary relative equilibrium with other world islands, because Even the relative equilibrium of freely soaring bodies can exist only under mutually conditioned motion ... We come, therefore, to the conclusion that the heat emitted into the world space ... should turn into another form of motion in which It can again concentrate and begin to function actively. This eliminates the main difficulty that stood on the way to recognizing the reverse transformation of obsolete suns into a hot nebula. In addition, the ever-repeated successive change of worlds in infinite time is only a logical addition to the simultaneous co-existence of countless worlds in infinite space: a situation whose compulsory necessity was forced to recognize even the anti-theoretical brain of the Yankee

Draper. " But they do not want to recognize the anti-theoretical brains of the pseudo-scientific fraudsters of the RAS who defend the "stupidity and absurdity" of the cosmological mystification of the "big bang", which is "the height of absurdity and an insult to common sense." "Here is the eternal cycle in which matter moves," Engels concludes. "We have the confidence that matter in all its transformations," he continues, "remains forever the same, that none of its attributes can ever be lost and that therefore with the same iron necessity as when it Will exterminate on earth its highest color - the thinking spirit, it will have to spawn it again somewhere else and at another time. " So, the idea of the cyclic evolutionary sequence of the development of material objects, which is most clearly traced on the example of galactic-level structures, was born, at least, still in the ancient Greeks. But it was only thanks to F. Engels, who applied the dialectical laws of the development of nature and society: the unity and struggle of opposites, the transition of quantitative changes to qualitative and denial of negation, was a brilliant guess, the result of rigorous scientific research based on experience and therefore acquired a much more definite and clear Shape. The scientist remained to "prove this cycle," only to eliminate some gaps that were insignificant compared to what had already been firmly established "Now let me return to the problem that was so worrisome for Hubble," writes Halton Arp in his article "The Evolution of Galaxies": Is not the difference in the appearance of galaxies the key to the riddle of their development? ... In Fig. 4.1.1, Arp continues, Hubble's famous "tuning fork" is given, in which galaxies of various sizes are located in a morphological sequence corresponding to a decrease in the mass of galaxies. On the left are spherical type EO, followed by more and more flat elliptical galaxies, with the notation E1 and up to E7. Passing type

SO (lens-shaped form without spiral arms). The diagram is divided into two classes, which Hubble called normal spiral and intersected spirals.

Soviet astronomer I.S. Shklovsky suggested that some elliptical galaxies are strong radio sources because the substance is still flowing into them. This does not contradict the views developed here, according to which a substance can stream into spiral galaxies. If the latter situation is possible, it would appear that more and more new masses of matter are added to the core of the spiral galaxy, until it eventually turns into an elliptical or spherical galaxy. "



The latest astronomical observations, in particular the Newerian group, establish

hed that the so-called all-absorbing "black holes" are located in the centers of galaxies. It was also found that giant explosions occur in the central regions of some galaxies, for example, in the galaxy M 82. Now, in more detail, let us return to the problem so worrisome to Hubble: "Is not the difference in the appearance of galaxies the key to the riddle of their development?" Dialectical Engels analysis of the available astronomical observations and Faraday-Maxwellian views that the interaction of material objects is due to radiation and absorption of matter, as well as the results obtained in this study, allow us to trace the cyclic evolutionary sequence of the development of the material objects of the universe by modifying the Hubble's tuning fork shown in Figure 4.1.2 To do this, we transform the Hubble's tuning fork according to the above arguments. Remove the connection between the galaxies SO and SBa and introduce two additional connections between galaxies AO and SBa, as well as

Figure:

4.1.1

The smoothness of the transition from one form to another while moving along the tuning fork pattern inspired astronomers to think that it represented an evolutionary sequence ... Thornton Page of Wesley University found that spheroids and ellipsoids have a mass about 30 times larger than that of medium spiral galaxies ... Solving the problem of the birth and evolution of galaxies may help us understand why some galaxies are strong sources of radio waves. For example, the

between galaxies $S\tilde{n}$ and SBc . Based on the above, we come to the conclusion that the sources, emitting streams of matter and ether particles, lose their mass, while the drains increase it. The intensity of absorption by galaxies - effluents of matter and ether particles at the initial stage from $S\tilde{n}$ increases. At this stage, an active synthesis of increasingly heavy chemical elements occurs. Then the galaxies - drains - gradually lose their absorbing activity due to saturation. Star-planetary structures of these galaxies lose their rotation speed under the action of axial forces arising from the impact of the oncoming ether stream, as shown in Study 3.7 (Equations 3.8.9 and 3.8.10). In this case, star-planetary systems under the influence of gravitational forces are increasingly approaching the center of galaxies. As a result of the galaxy from $S\tilde{n}$, Bypassing the steps Sb , Sa , SO , $E7$, $E3$, acquire an increasingly pronounced spherical shape $\dot{A}O$. Galaxy $\dot{A}O$ has a minimal absorbing and radiating activity and in fact becomes a neutral galaxy. Further synthesis leads to a significant increase in radioactive substances in the galaxy $\dot{A}O$, which acquire a critical mass and spontaneously explode. Neutral galaxy $\dot{A}O$ transforms into a powerful galaxy - the source SBa . At the same time, a huge amount of energy is released, which is erupted by the stream of hot gases, dust and ether particles, turning into a red-hot nebula surrounding the central body - the "black hole". It has been found in the study 3.6, the outer gas-dust layer loses its rotation speed, in accordance with the law of conservation of angular momentum. At the initial stage of emission substances and ether particles takes place substantially perpendicularly to its surface to form a so-called "jumper". This type of galaxies Hubble called the "crossed by spiral galaxies." It is at this stage is mainly formed stars and protoplanet like sparks giant fireworks disgorged central body galaxies. "From swirls rotating

incandescent gaseous nebulae, developed countless sun and the solar system due to compression and cooling - indicates Engels." Further, the loss of weight as a result of radiation sources at the stages SBa , SBb and SBc , More and more lose their radiant activity and transition from SBc to $S\tilde{n}$ converted into drains. Then cycles interconversion sources in drains and drains to the sources repeated countless times on all structural levels of the immense universe. "We thus arrive at the conclusion, - says Engels - that radiated into space the heat should be transformed into another form of motion, in which it can re-focus and begin to function actively. Thus, there is no major difficulty standing in the way of the recognition of reconverting obsolete suns in the fiery nebula. In addition, the ever-repeating succession of worlds in infinite time is only a logical addition to the simultaneous co-existence of innumerable worlds in infinite space: the position, forced the need for which was forced to admit even anti theoretical Yankee brain of Draper. "But do not want to recognize ant theoretical brains pseudoscientific scams RAS. According to the concepts of Faraday and Maxwell ether is an elastic incompressible medium. Therefore, the amount of the emitted and absorbed in the ether unit of time in space remains unchanged. If you look closely at the chart, we find that the number and mass of the galactic waste far exceeds the number and mass of the galactic sources. Compensation seemingly missing emission is due to the radiation of stars, galaxies - sources and galaxies - drains. It should be noted that the life cycle of stars and planetary systems is significantly less than that of the galactic formations. Indeed, the less massive obsolete sun and planets, as a result of the synthesis of radioactive substances, acquire a critical mass much sooner. Therefore, accidental explosions, the formation of new stars and planetary systems with satellites occur

pseudoscientific swindlers are not talking. All these tricks, falsification and deception - is a natural process of fooling the masses, science-based classics of Marxism: - obscurantism and religious opium of the flock - the lot of the mentally retarded, passive, and not socially protected segments of the population; - scientific atheism - a devastating weapon in the struggle for social equality and justice. Therefore, those in power, according to the classics of dialectical materialism, do not need a fundamental science. They desirably have uncomplaining most compliant and obscurantism and religion as nothing but provides zombiing voters. That is why the "graduated flunkies of clericalism", so hard trying to replace a true scientific knowledge and religious obscurantism planting opium for the people, as well as in secondary and higher education institutions to befuddle fledgling young minds for the purpose of withdrawal from the struggle for social equality and justice.

The results of this study make it possible to expose the scientific failure and reject the "height of absurdity" of Einstein's cosmological "Big Bang" theory. And also substantiate transformation with fork Hubble diagrams previously unknown, the cyclic sequence evolutionary development of countless hierarchies material objects systems in full accordance with the dialectic views Engels.

4.2 The origin of the solar system. Reasons tilt axes of rotation of the planets and sun to the plane of the ecliptic and mismatch rotation axes with magnetic axes.

Current hypotheses about the origin of the solar system present excerpts from the article "The Origin of the Solar System» http://mirznanii.com/info/a183_proiskhozhenie-solnechnoy-sistemy

"One of the important issues related to the study of our planetary system - the problem of its origin. The solution to this problem is natural - scientific, ideological and philosophical significance. Over the centuries and even thousands of years, scientists have tried to figure out the past, present and future of the universe, including the solar system. However, the possibility of a planetary cosmology and to this day remains very limited - for an experiment in the laboratory are available so far only meteorites and lunar rock samples. Limited opportunities and comparative method of research: the structure and patterns of other planetary systems are not yet sufficiently understood. There are currently known to many hypotheses about the origin of the solar system, including proposed independently by the German philosopher Kant (1724-1804) and the French mathematician and physicist Pierre Simon de Laplace (1749-1827). View Kant was in the evolution of cold dust cloud in which first arose central massive body - the Sun, and then born, and the planet. Laplace considered the original nebula of gas and very hot in a state of rapid rotation. Contracting under the force of gravity, the nebula due to the law of conservation of angular momentum spun faster and faster. Under the influence of high centrifugal forces occurring during rapid rotation of the equatorial belt, from it sequentially separated rings, turning as a result of cooling and condensation in the world. Thus, according to the theory of Laplace, the planets were formed before the sun. Despite this difference between the two hypotheses under consideration, they both come from the same ideas - the Solar System is the result of natural development of the nebula. And so this idea is sometimes called Kant-Laplace hypothesis. However, this idea had to be abandoned because of the many mathematical contradictions, and in its place came a few "tidal theory."

The most famous theory was advanced by Sir James Jeans, a famous popularizer of astronomy in the years between the First and Second World Wars. (He was also a leading astrophysicist, and only at the end of his career turned to the creation of books for beginners.) According to Jeans, planetary substance was "taken out" from under the influence of the Sun took place near the star, and then broke up into separate parts to form a planet. The largest planets (Saturn and Jupiter) are at the center of the planetary system, where once a cigar-shaped was thickened part of the nebula. If things really stood in such a way that planetary systems would be extremely rare, since the stars are separated by huge distances, and it is possible that our planetary system could claim to be the only one in the galaxy. But mathematics again rushed to the attack, and, in the end tidal theory joined the gaseous rings of Laplace in the trash science. According to modern concepts, the planets of the solar system formed from a cold cloud of gas and dust that surrounded the sun billions of years ago. This point of view the most consistently reflected in the hypothesis of Russian scientist, Academician O. Schmidt (1891-1956), which showed that the cosmology of the problem can be solved by the concerted efforts of astronomy and earth sciences, especially geography, geology and geochemistry. The basis of the hypothesis O. Schmidt lies the idea of the formation of planets by combining solids and dust particles. The emerging gas-dust cloud around the sun first consisted of 98% hydrogen and helium. The remaining elements were condensed into dust particles. Random motion of the gas in the cloud quickly stopped: it was replaced by a quiet movement of the clouds around the sun. Dust particles are concentrated in the central plane, forming a layer of increased density. When the density of the layer has reached a critical value, its own gravity was "compete" with the Sun gravitation. A layer of dust proved

unstable and broken up into separate dust clumps. Facing each other, they form a plurality of continuous dense bodies. The largest of them have gained nearly circular orbits and in its growth began to overtake other body, becoming the embryo of the future potential of the planets. As the more massive body, tumors took over the remaining material gas and dust clouds. In the end, it formed nine major planets in orbits whose motion remains stable for billions of years. When the density of the layer has reached a critical value, its own gravity was "compete" with the Sun gravitation. A layer of dust proved unstable and broken up into separate dust clumps. Facing each other, they form a plurality of continuous dense bodies. The largest of them have gained nearly circular orbits and in its growth began to overtake other body, becoming the embryo of the future potential of the planets. As the more massive body, tumors took over the remaining material gas and dust clouds. In the end, it formed nine major planets in orbits whose motion remains stable for billions of years. Facing each other, they form a plurality of continuous dense bodies. The largest of them have gained nearly circular orbits and in its growth began to overtake other body, becoming the embryo of the future potential of the planets. As the more massive body, tumors took over the remaining material gas and

dust clouds. In the end, it formed nine major planets in orbits whose motion remains stable for billions of years. Facing each other, they form a plurality of continuous dense bodies. The largest of them have gained nearly circular orbits and in its growth began to overtake other body, becoming the embryo of the future potential of the planets. As the more massive body, tumors took over the remaining material gas and dust clouds. In the end, it formed nine major planets in orbits whose motion remains stable for billions of years. Thus, the current theory is much more plausible, which, oddly enough, is closer to the ideas of Laplace, than the Jeans theory. It is believed that the planets condensed from cosmic clouds of material associated with the young sun, so they are all close in age. This explains why the solar system is clearly divided into two parts. Closer to the Sun temperature was very high, so the light gases such as hydrogen and helium, were replaced on the periphery and on the inner planets there was an accumulation of the heavier elements. Subsequently, the temperature dropped and the opportunity to hold the light elements: why planet - giants, in contrast to the internal members of the system are not dense and rocky. Indeed, the planet - giant may be a solid core, but for the most part they consist of liquid with very powerful atmosphere rich in hydrogen and helium. The process of formation of the solar system can not be considered thoroughly studied and proposed a hypothesis - perfect. For example, in today's hypothesis does not take into account the effect of the electromagnetic interaction in the formation of planets. Figuring out this and other issues - in the future. "No less mysterious by far is the question of the causes of the inclination of the axes of rotation of the Sun and planets to the ecliptic plane and the axes of rotation mismatch with the magnetic axes.

Consider the current hypotheses that try to solve the problems presented in the following articles.

"Many theories/Tilt axis Uranus. Impact theory, gravity. galspace.spb.ru > index418.html /:

Unusual axial tilt of Uranus - one of the most impressive of its characteristics, but astronomers still do not know exactly why the object was in that position.

At the time of the birth of our solar system from the rotating disk of gas and dust 4.6 billion years ago all the major planets are located in orbits close to its flattened plane - the ecliptic. It was the inevitable result of the laws of large numbers and the conservation of momentum. As the planets were formed by the collision of countless particles, any accidental movement had to equilibrate to the planet continues to rotate in the upright position on their orbits. However, it is obvious that this is not the case if Mercury and Jupiter, in fact, more or less vertically, Earth, Mars, Saturn and Neptune is inclined at an angle of about 25 °, and Uranus - 98 °. Depending on the viewpoint Venus can also seem inclined at an angle of 177 °. Turns, the planet upside down or close to the strictly vertical position, rotated only in the opposite direction. But what brought down many of the major planets in the solar system with their axes? Regarding the rocky planets such as Venus, the answers will probably interplanetary collision. Collision with the larger planet could easily knock them into the inclined path or change the time of rotation of the planet. However, the Giants are large in size, so to knock down their axes, a large force is required. So, for a clash that could bring down the axis of Uranus is 98 °, and Saturn - 26 °, would require a restive planet the size of Earth, but the mathematical models do not indicate the possible existence of a facility

of this size in the outer solar system. Another problem is that all the giants are surrounded by large families of rings and moons. Catastrophic collision of some object to the parent planet would have to throw all of these small bodies in space. The fact that they hold the equatorial plane, which suggests that they are either formed in that position, or the change of each planet's axial tilt is so slow that the tidal forces managed to keep a lid on satellites. If we talk about satellites problem, then it is possible that he could hit from the outside to cause the eruption of material from the interior of the planet, from which the moons formed. However, the differences in the chemical composition of the satellites and their parent planets say that they are likely to appear in the light of the external parts of the "nebulosity " which formed each of these planets.

Another hypothesis is that something (perhaps the gravity of the passing star) caused a "protrusion" outer Solar System. But even if such a hypothetical "bulging" did take place in computer simulation models under these conditions is not possible to recreate the solar system such as we know it today. In 2006, an Argentine astronomer Adrian Brunini suggested that the outer planets tilt axis are the result of the chaotic years that arose shortly after the formation of these planets, when their orbits for a brief period close. in computer simulation models under these conditions it is not possible to recreate the solar system such as we know it today. In 2006, an Argentine astronomer Adrian Brunini suggested that the outer planets tilt axis is the result of the chaotic years that arose shortly after the formation of these planets, when their orbits for a brief period close. in computer simulation models under these conditions it is not possible to recreate the solar system such as we know it today. In 2006, an Argentine astronomer Adrian Brunini suggested that the outer planets tilt axis are the result of

the chaotic years that arose shortly after the formation of these planets, when their orbits for a brief period close. Shock theory tilt axis Uranus contradicts the fact that, for example, orbit moons and Uranus are inclined to the ring plane of the solar system in a similar manner (when a collision must only affect itself was planet). In 2009, a new theory in the new work, researchers conducted a computer simulation of the rotation axis of Uranus changes under the influence of gravity of another celestial body has been proposed. To do this, scientists have suggested that the giant was the moon, which later was thrown out beyond the orbit of the planet. Expelling the simulation of planetary evolution about 10,000 times, the researchers obtained results are in good agreement with the actual data. Each of these theories has its strengths and weaknesses, but we will probably never know what kind of "injury" Uranus resulted in a heeled position. "One of the most common hypothesis - the theory of the dynamo effect - suggests that convective and / or / turbulent conducting fluid in the nucleus and promote the self-excitation of keeping the field in a steady state. But it is hard to imagine that the core emerge over time the temperature in the same direction - if this convective motion or arising from the rotation of the turbulence was so constant, in order to maintain the effect of self-excitation, and even in the same direction. Although generally incomprehensible nature of turbulences - in due course, in the absence of external forces, the Earth's inner substance due to viscosity is also uniformly rotate with the shell. It remains unclear as this, where there are potentials on this core. Even the authors of this hypothesis, it is not considered proven. Although hydrodynamic dynamo hypothesis explains well the many well-known facts, but of power, causing the work "dynamo" is clearly defined incorrectly. There is a hypothesis about the

appearance of the field in the ionosphere due to the solar wind. There is due to the stream of salt water in the oceans. None of these hypotheses cannot be applied to all the planets of the solar system without encountering contradictions. For example, Jupiter, rotating around its axis in the same direction as the Earth has a magnetic field direction is opposite Earth, Venus and Mars do not have strong fields. To consider the Earth the owner of some unique properties that are unique to it as something not serious, it's not the one it has a magnetic field, and to come up with for each planet its own mechanism, creating a field, too, somehow not "that" as what's could be wrong? "/ from the article V.I. Daniel, "Nature of the magnetic field of the Earth and Planetary" /. Based on the foregoing, we conclude that there is still no satisfactory theory which could explain the origin and evolution of the solar system, as well as to determine the physical cause of the tilt axes of rotation of the planets and the Sun itself. Evolutionary cyclic sequence of the origin and development of stars and planetary systems adequately set out in the study 3.1. Therefore further discuss the causes of inclination of the axes of rotation of the planets and sun to the plane of the ecliptic, and the rotational axes of discrepancy with the magnetic axes of planets. Note that, often, the information and illustrations in scientific articles contradict each other. For example, in Fig. 4.2.1 and fig. 4.2.2 trajectory of motion of the planets around the sun is fused in opposite directions; Fig. 4.2.2 and fig. 4.2.3 inclinations of the axes of rotation of planets, mostly also directed in opposite directions. The same, if not more, confusion occurs when determining the directions of the magnetic fields of the planets. We would still accept the best of conflicting data, the basis of information on the slopes of the planets shown in Fig. 4.2.3 as the most reliable.

Based on the dialectical march Engels to the question of the cyclical evolutionary

development of material systems of objects, representations of M. Faraday and Maxwell K. about the mechanical nature of the interactions of material objects through the air, as well as of the results of this study - to build a mechanical model of the solar system, which allows consistent justify physical cause tilting axes of rotation of the planets and sun. In Fig. 4.2.4 is a schematic arrangement of the solar system planets relative to the plane of the Galaxy. Shown axes tilt angles of rotation of the solar system planets relatively perpendicular to the plane of the ecliptic, and the direction of stream ester, according to the studies 3.6, 3.7. Where: $\bar{v}_{\bar{A}\bar{e}}$ - the velocity vector of circular cross-equatorial ether galactic flux. Due to the considerable distance from the center of the Galaxy, we take it for a constant value for all the planets and the sun;

$\bar{v}_{\bar{A}\bar{y}}$ - longitudinal velocity vector elliptic galactic ether stream. Due to the considerable distance from the center of the Galaxy, we take it for a constant value for all the planets and the sun;

$\bar{v}_{\bar{A}\Sigma} = \bar{v}_{\bar{A}\bar{e}} + \bar{v}_{\bar{A}\bar{y}}$ - total velocity vector galactic ether stream;

$\bar{\omega}_{\bar{A}\bar{y}}$ - the total angular velocity vortex tubes longitudinal elliptic galactic ether stream moving at a rate $\bar{v}_{\bar{A}\bar{y}}$. Due to the considerable distance from the center of the Galaxy, we take it for a constant value for all the planets and the sun;

$\bar{\omega}_{\bar{N}i\bar{y}}$ - the total angular velocity vortex tubes longitudinal elliptic solar flux ether direction i - planet is moving with velocity $\bar{v}_{\bar{N}i\bar{y}}$ (i - takes the values: $\hat{I} \hat{E}$ / Mercury /, \hat{A} / Venus /, \hat{C} / Earth /, \hat{I} / Mars /, \hat{P} / Jupiter /, $\hat{N}\hat{A}$ / Saturn /, \hat{O} / Uranus /, \hat{I} / Neptune /). $\bar{\omega}_{\bar{N}i\bar{y}}$ decreases with increasing distance from the sun planets;

$\bar{\omega}_{i\Sigma\bar{y}} = \bar{\omega}_{\bar{A}\bar{y}} + \bar{\omega}_{\bar{N}i\bar{y}}$ - total external angular velocity of vortex stream tubes ether ith planet

$\bar{v}_{\bar{N}_{iy}}$ - longitudinal velocity vector elliptic ether solar flux, in the direction i -planet. $\bar{v}_{\bar{N}_{iy}}$ decreases with increasing distance from the sun planets;

$\bar{\omega}_{\bar{N}_{iy}}$ - the total angular velocity vortex tubes longitudinal elliptic solar flux ester;

$\bar{\omega}_{\bar{N}}$ - vector of the angular velocity of rotation of the sun.

In Figures 4.2.5 - 4.2.29 are presented Graphic analytical construct - solving problems justifying mechanical nature tilts the axes of rotation of the planets of the solar system and the sun.

Where: $\bar{\omega}_i$ - angular velocity vector i -planets;

\bar{v}_{iy} - longitudinal velocity vector elliptic stream ether i - the planet;

$\bar{v}_{\bar{A}\bar{N}_{iy}} = \bar{v}_{\bar{A}\Sigma} + \bar{v}_{\bar{N}_{iy}} + \bar{v}_{iy}$ - total velocity vector elliptic longitudinal ether Galaxy streams and Sun i - planets are on the same line, in the direction i - planet;

$\bar{\omega}_{iy}$ - the total angular velocity vortex tubes longitudinal elliptic stream ether i th planet is moving with velocity \bar{v}_{iy} ;

From astronomical observations it is known that all the solar system planets and the Sun itself rotates around its own axis and have magnetic poles which, as a rule, do not coincide with the geographic poles of the planet. The axis of rotation of the planets and the Sun have different angles of inclination of the axes of rotation, but always in the same plane.

So, in the figures: 4.2.6, 4.2.9, 4.2.12, 4.2.15, 4.2.18, 4.2.21, 4.2.24, 4.2.27 - presented location vectors $\bar{\omega}_i$ and $\bar{\omega}_{\bar{N}_{iy}}$, that are on the same straight line in the case, if the influence of $\bar{\omega}_{\bar{A}y}$ it could be disregarded, as set out in the research 3.7, 3.9 and illustrated in Figures 3.10.1 and 3.10.7.

Drawings: 4.2.7, 4.2.10, 4.2.13, 4.2.16, 4.2.19, 4.2.22, 4.2.25, 4.2.28 - augmented vector $\bar{\omega}_{\bar{A}y}$ and a vector sum $\bar{\omega}_{i\Sigma y}$. In this

case, as was found in the study 3.7 planet must will rotate to match $\bar{\omega}_{i\Sigma y}$ with the direction of net stream $\bar{v}_{\bar{A}\bar{N}_{iy}}$.

To determine the vector $\bar{\omega}_{i\Sigma y}$ we use graphical-analytical method. Based on the convenience of the image in the picture choose the scale for the vector $\bar{\omega}_{\bar{A}y}$. Knowing from astronomical observation angles planetary axes to the perpendicular to the plane of the ecliptic, it is easy to calculate the angle of rotation $\bar{\omega}_{i\Sigma y}$. For example, it will be equal to the Earth $30,25^0 = 23^0 + 7,25^0$. Similarly, $\bar{\omega}_{i\Sigma y}$ rotation angles calculated for other planets. Figures: 4.2.8, 4.2.11, 4.2.14, 4.2.17, 4.2.20, 4.2.23, 4.2.26, 4.2.29 - shows the position vectors and planets angles to the perpendicular to the ecliptic plane after rotation of planets. As a result, the total magnetic axes of rotation to coincide with the rotation axis direction of the impinging ether streams of planets, under these conditions, and will not deviate coincide with the direction of the magnetic axes.

Based on available data that the "Magnetic poles Sun approximately coincide with the light axis of rotation» /Ukhtoma.ru magnetic field and magnetic storms on the sun / meaning $\bar{\omega}_{\bar{A}y}$ in this case can be neglected. Then the vectors $\bar{\omega}_{\bar{N}}$ and $\bar{\omega}_{\bar{N}_{iy}}$ are collinear and angle of the sun axis of rotation perpendicular to the plane of the ecliptic remains equal $7,25^0$.

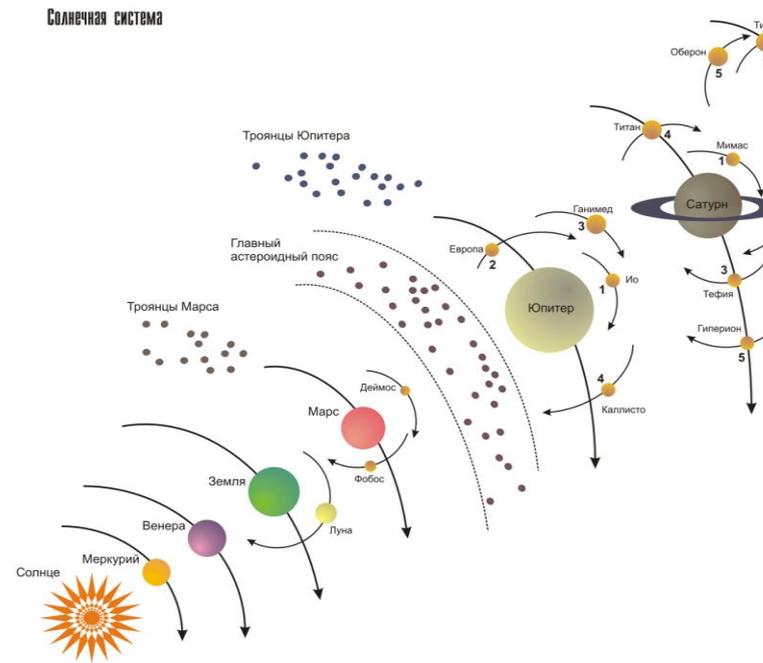
The sun is a powerful source and has a greater angular velocity One revolution around the axis takes only 25.38 Earth days. It should be noted that the closer a star is to center of the galaxy, the greater the value of $\bar{\omega}_{\bar{A}y}$ and therefore, the angle of inclination of the axis of rotation of the star Galaxy plane to be increased, other things being equal. Therefore, mini-mini-drains and sources in Figures 3.7.1 and 3.7.2 are located on the periphery, will seek to take a position - "lying on its side"

and maxi- sources and maximum discharges, which are closer to the center will seek to take vertical position. All the planets of the solar system formed by the eruption of prominences the powerful gas, substance and ether, escaping from the surface of the sun at the transition stage from the extinct sun-drains to sources-supernovae stars, galactic similarly transitions from EO to SBa. "Radiated into space the heat should be transformed into another form of motion, in which it can re-focus and begin to function actively. Thus, there is no major difficulty standing in the way of the recognition of reconverting obsolete suns in the fiery nebula ... rotating incandescent gaseous nebulae ... develops the solar system. " - says Engels. " Indeed, "from the rotating swirls, hot gases spewed out by the Sun nebulae are formed at the initial stage of planetesimals hot - springs, which rotate in the opposite side of the sun's rotation. Due to this rotation of planetesimals retained the sun. The physical nature of attraction is the same as that of a current-carrying conductor discussed in the study 4.8. Cooling down, the planetesimals - the sources, under the influence of reaction forces lose their speed to a complete stop, and then, as was shown in the study, 3.6, becoming the world - drains begin to spin in the opposite direction. nIn this regard, the prevailing idea that the sun and planets, supposedly, periodically changing their magnetic poles are not true. Mercury, one might say, is the youngest planet - Drain having a negligible speed of rotation around an axis - only 58 Earth days. Most recently, on a cosmic scale, it was hot protoplanet - source and rotated in the opposite direction of rotation of the Sun as Venus. Now, turning to the planet - a drain, he just taking off. Zero Mercury tilt rotation axis is caused as the nearest to the sun planet large value $\bar{\omega}_{\bar{N}i \bar{E}y}$ as shown in figures 4.2.6, 4.2.7, 4.2.8. Venus - the last of the Mohicans - still hot protoplanet - source, rotating in the opposite direction to all the other planets

of the solar system. The speed of its rotation around its own axis of 243 Earth days. Venus minimum inclination to the perpendicular to the plane of the ecliptic - about As well as Mercury, due to its proximity to the Sun, i.e. a large value $\bar{\omega}_{\bar{N}Ay}$ as shown in Figures 4.2.9, 4.2.10, 4.2.11. Earth - the planet madmen destroying their own kind, to the final stage of early "cut off from the world its highest color - thinking spirit." Earth - the planet - runoff. The speed of its rotation around its axis 24 hours. The earth's axis is tilted to the perpendicular to the ecliptic plane at an angle 23° . There is already beginning to affect the distance from the Sun, in which $\bar{\omega}_{\bar{N}Gy}$ significantly less than that of Mercury and Venus. Therefore, the axial tilt becomes much greater near the Earth. See Figures 4.2.12, 4.2.13, 4.2.14. Mars - the closest neighbor of ours - the planet - runoff. Its rotational speed differs little from the Earth's rotation rate - 24 hours and 37 minutes. Therefore, the inclination of the axis of rotation of Mars to the perpendicular to the ecliptic plane is close to the earth - 24° . See Figures 4.2.15, 4.2.16, 4.2.17. Jupiter - the planet - giant. It is a powerful drain. Jupiter rotational speed about its axis 9 hours 55 minutes. Therefore their $\bar{\omega}_{p \ y}$ is many times larger than the Earth and Mars. Thus Jupiter significantly increases the total amount of $\bar{\omega}_{\bar{N}p \ y}$. As a result, the slope Jupiter rotation axis perpendicular to the plane of the ecliptic is only 3° . See Figures 4.2.18, 4.2.19, 4.2.20. Saturn - Planet - drain less massive than Jupiter and removed of the Sun is almost twice more than Jupiter. The angular speed of rotation of Saturn 10 hours and 40 minutes. Therefore, the value of $\bar{\omega}_{\bar{N}\bar{N}Ay}$, respectively lower than that of Jupiter. Hence, the slope of Saturn rotation axis with respect to the perpendicular to the plane of the ecliptic 27° . See Figures 4.2.21, 4.2.22, 4.2.23.

Uranus - the planet well-known fact that rotates on its axis, lying on its side. Uranium is also a drain. Uranium, unlike gas giants Jupiter, Saturn, a giant ice. Most Uranus (80%) consists of hot and dense fluid "icy" materials - water (H₂O), methane (CH₄) and ammonia (NH₃), located on top of the stone kernel. He was removed from the Sun twice farther than Saturn. The rotation speed around its axis is 17 hours 14 minutes. As a result, it has the small amount $\bar{\omega}_{N\delta y}$. All this gives him the greatest inclination of its axis of all the planets of the solar system to the perpendicular to the ecliptic plane 98°. See Figures 4.2.24, 4.2.25, 4.2.26. Neptune in composition similar to Uranus and both planets are different in composition from the larger giant planets - Jupiter and Saturn. Sometimes Uranus and Neptune are placed in a separate category of "ice giants" run. Neptune - planet - flow. It is almost twice as far from the Sun as Uranus. Neptune has an inclination to the perpendicular to the ecliptic's plane 30°. See Figures 4.2.27, 4.2.28, 4.2.29. So, to sum up the results. Engels' theory of evolution cyclic interconversion of material objects presented in this study, "modern academic level" rejects. b "Always repeated succession of worlds in infinite time is only a logical addition to the simultaneous co-existence of innumerable worlds in infinite space: the position, forced the need for which was forced to admit even anti theoretical Yankee brain of Draper" - exposes Engels anti theoretical thinking Yankees Draper. But do not want to recognize antitheoretical brains pseudoscientific scams RAS defending "stupid and ridiculous" cosmological hoax "Big Bang", which is "the height of absurdity and an affront to common sense." The present study provides consistently substantiate the validity of Engels the dialectical approach to the resolution of problems of education of the Sun and the planets of the

solar system. In addition, research on a mechanical basis allows to solve the problems, not previously having explanation mismatch axes of rotation of the planets with magnetic axes and set the mechanical cause inclination angles planetary axes of rotation to the ecliptic.



4.2.1

Fig.

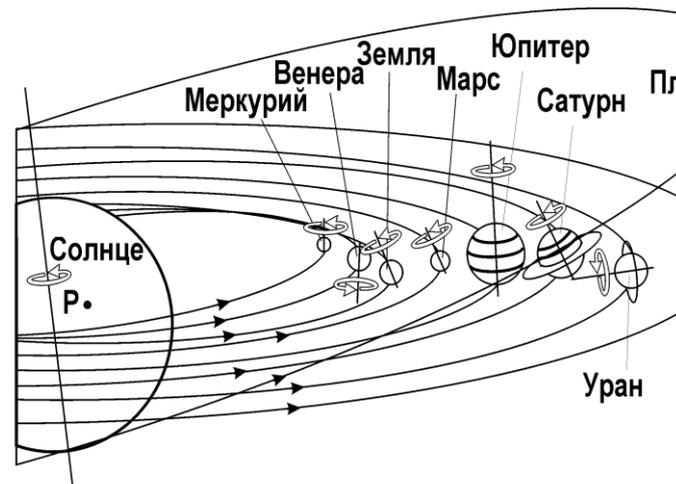
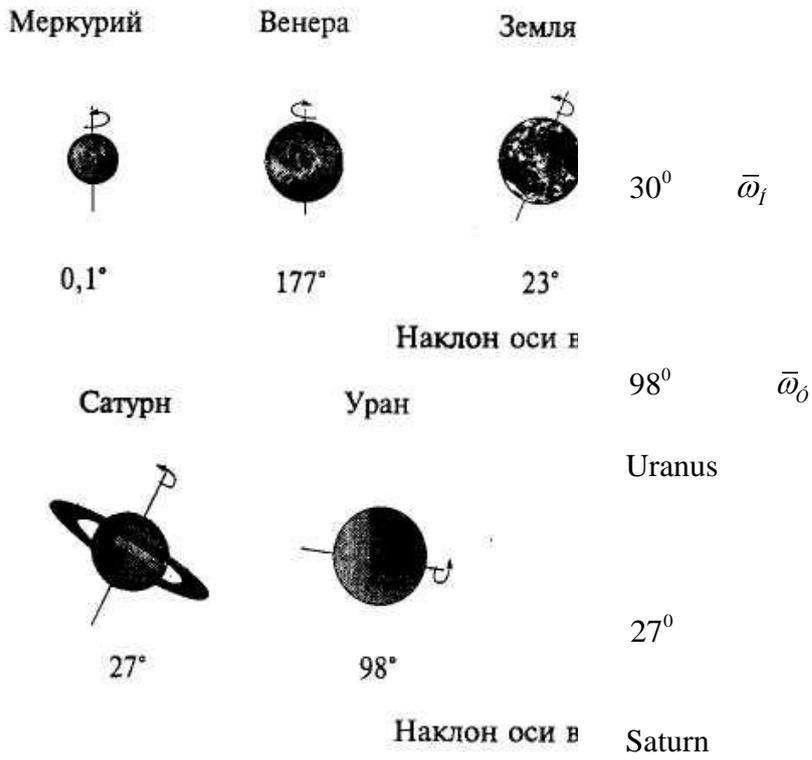
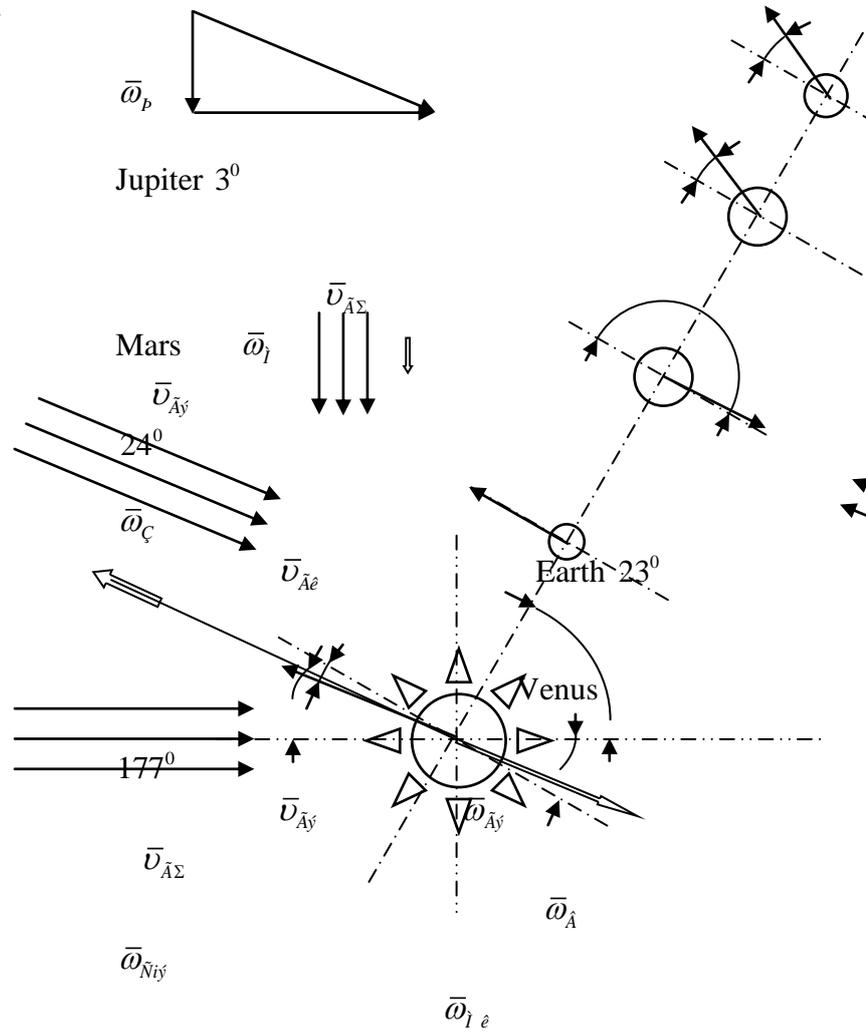


Fig. 4.2.2



4.2.3

Fig.



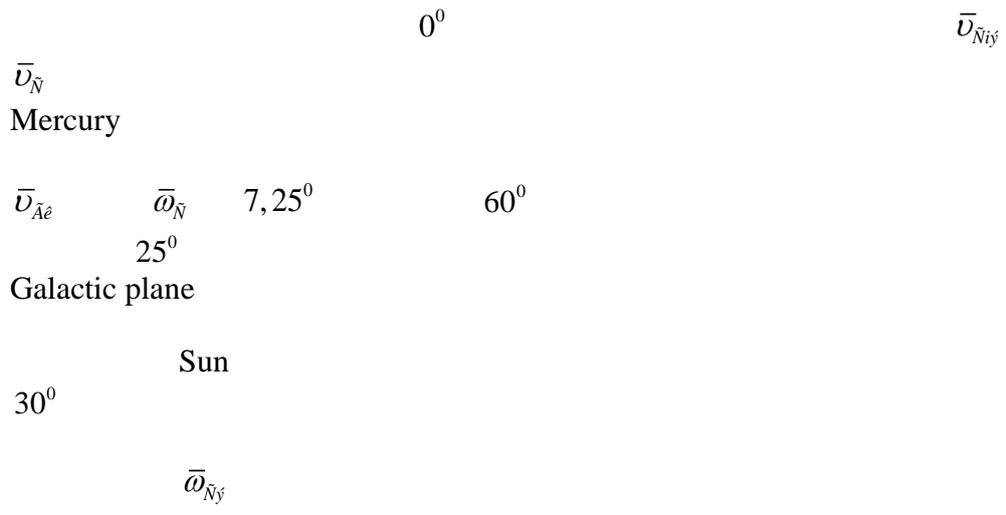


Fig. 4.2.4

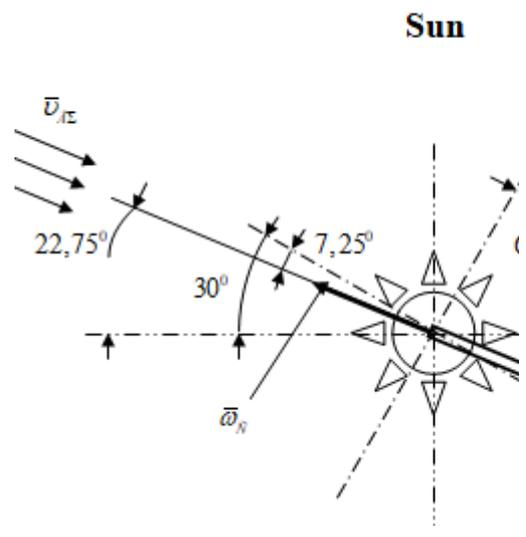


Fig. 4.2.5

Mercury

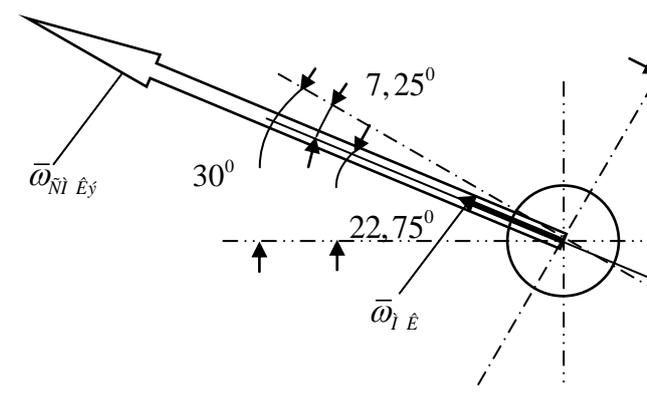


Fig. 4.2.6

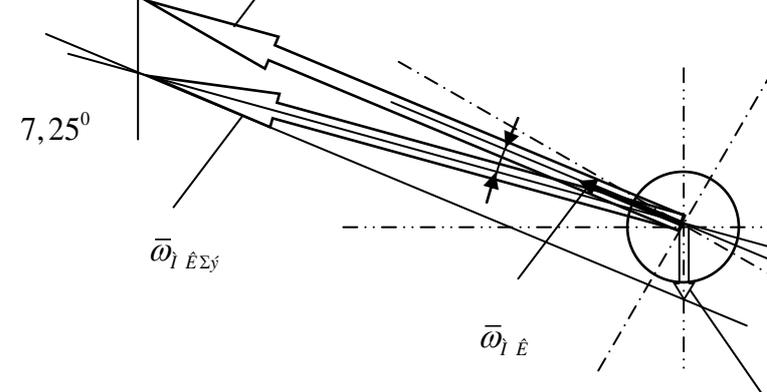


Fig. 4.2.7

$\bar{\omega}_1 \hat{E} \Sigma \hat{y}$

0°

$\bar{\omega}_1 \hat{E}$

$\bar{\omega}_{\hat{A}\Sigma\hat{y}}$

$\bar{\omega}_{\hat{A}\hat{y}}$

Fig. 4.2.8

Fig. 4.2.8

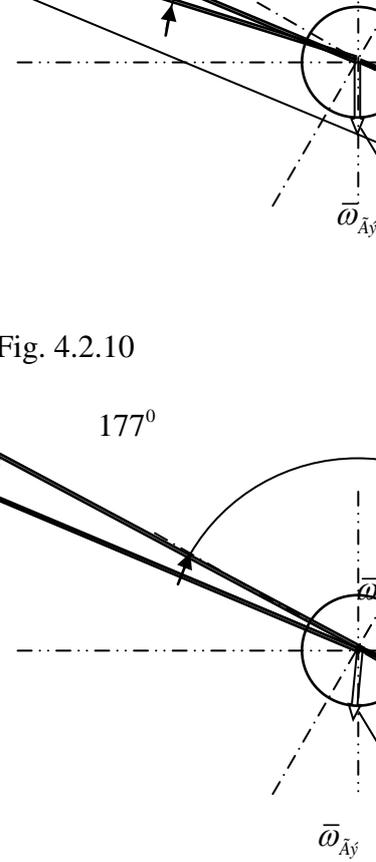


Fig. 4.2.10

Fig. 4.2.11

VENUS

Plane of ecliptic

$7,25^\circ$

EARTH 60°

$\bar{\omega}_{\hat{N}\hat{A}\hat{y}}$ 30°

$\bar{\omega}_{\hat{A}}$

Plan

Galactic plane

$22,75^\circ$

$\bar{\omega}_{\hat{N}\hat{Q}\hat{y}}$

$\bar{\omega}_{\hat{C}}$

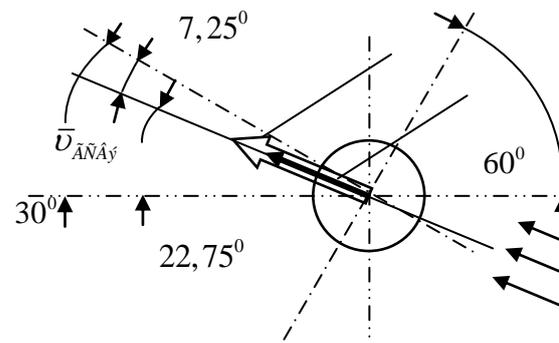


Fig. 4.2.9

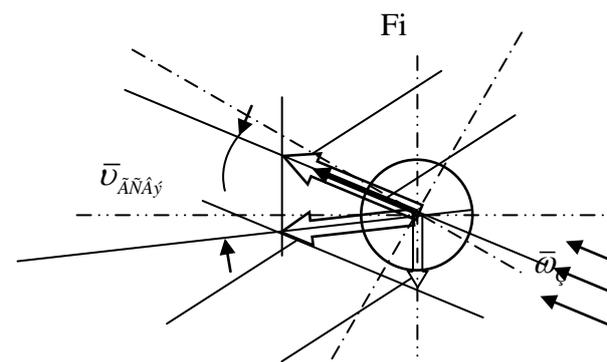
$\bar{\omega}_{\hat{N}\hat{A}\hat{y}}$

$4,25^\circ$

g. 4.2.12

$\bar{\omega}_{\hat{A}\Sigma\hat{y}}$

$\bar{\omega}_{\hat{N}\hat{Q}\hat{y}}$



30,25°

Fi

g. 4.2.15

$\bar{U}_{\bar{A}\bar{N}\bar{A}\bar{y}}$

$\bar{\omega}_{\bar{C}\bar{\Sigma}\bar{y}}$

$\bar{\omega}_{\bar{A}\bar{y}}$

$\bar{\omega}_{\bar{N}\bar{l}\bar{y}}$

$\bar{\omega}_{\bar{l}}$

F

31,25°

ig. 4.2.13

30,25°

$\bar{\omega}_{\bar{N}\bar{Q}\bar{y}}$

23°

$\bar{\omega}_{\bar{l}\bar{\Sigma}\bar{y}}$

$\bar{\omega}_{\bar{C}}$

$\bar{\omega}_{\bar{A}\bar{y}}$

F

ig. 4.2.16

$\bar{\omega}_{\bar{C}\bar{\Sigma}\bar{y}}$

$\bar{U}_{\bar{A}\bar{N}\bar{A}\bar{y}}$ 31,25°

$\bar{\omega}_{\bar{A}\bar{y}}$

$\bar{\omega}_{\bar{N}\bar{l}\bar{y}}$

24°

$\bar{\omega}_{\bar{l}}$

ig. 4.2.14

F

$\bar{\omega}_{\bar{l}\bar{\Sigma}\bar{y}}$

MARS

$\bar{\omega}_{\bar{A}\bar{y}}$

Plane of ecliptic

F

$\bar{\omega}_{\bar{N}\bar{l}\bar{y}}$

7,25°

ig. 4.2.17

30°

$\bar{\omega}_{\bar{l}}$

60°

JUPITER

Galactic plane

22,75°

7,25°

$\bar{U}_{\bar{A}\bar{N}\bar{A}\bar{y}}$

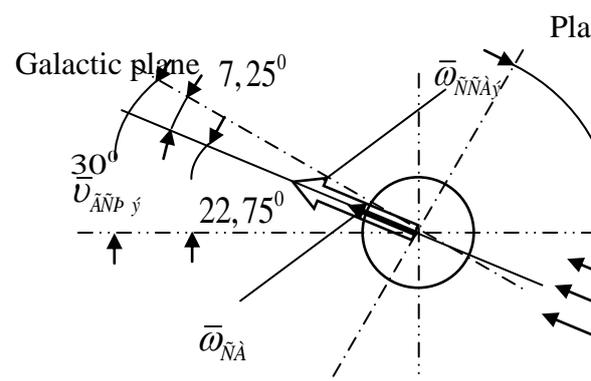
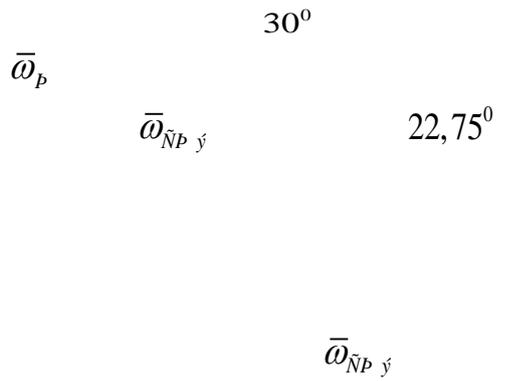


Fig. 4.2.18

Fig. 4.2.21

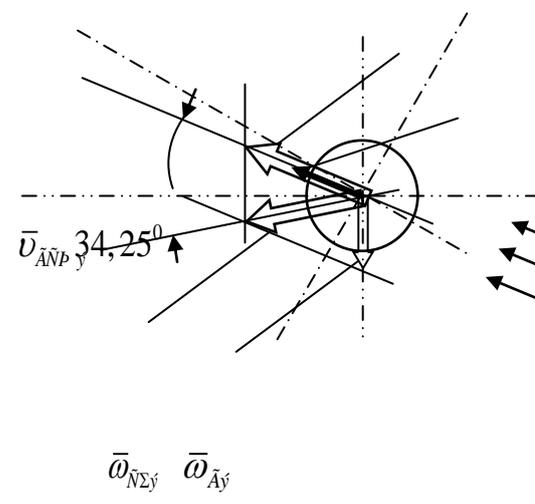
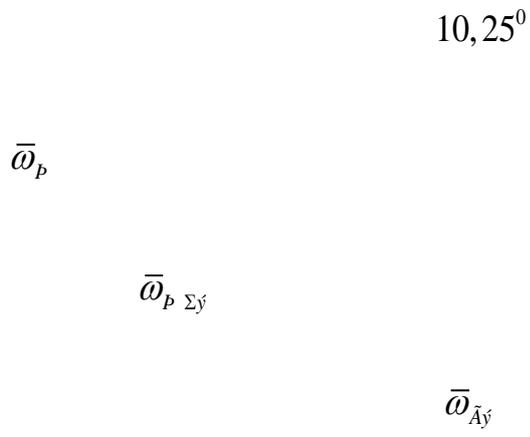


Fig. 4.2.19

Fig. 4.2.22

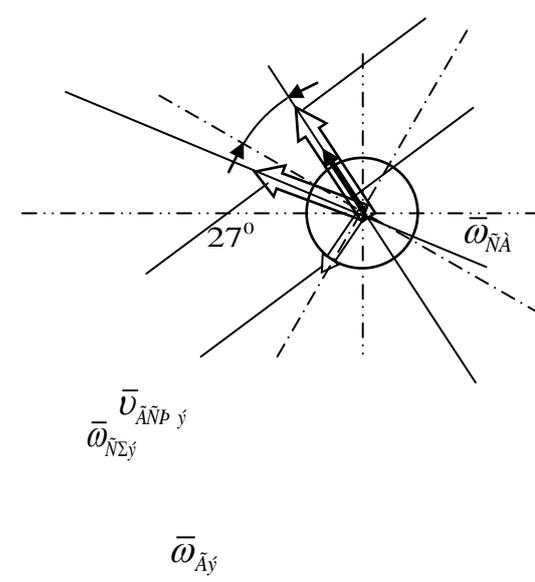
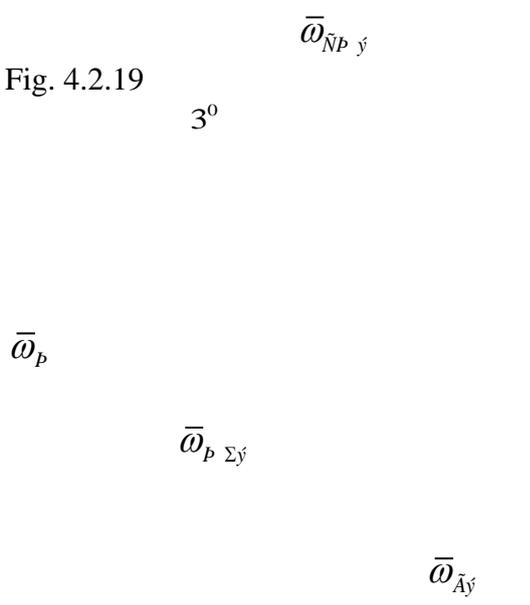


Fig. 4.2.2

SATURN

Fig. 4.2.23

URANUS

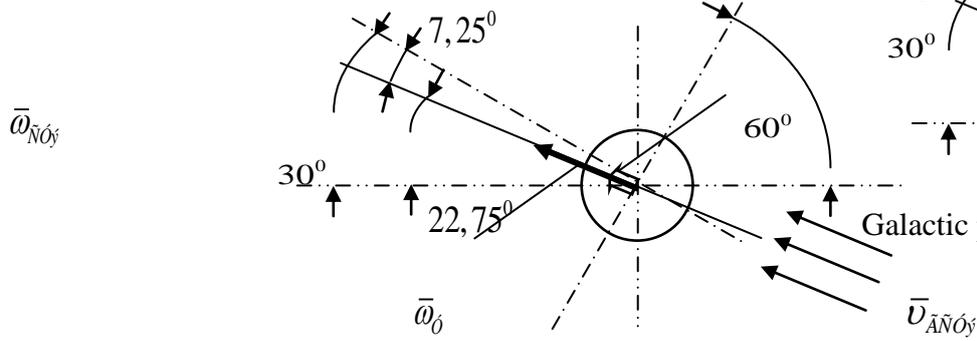


Fig. 4.2.26

NEPTUNE

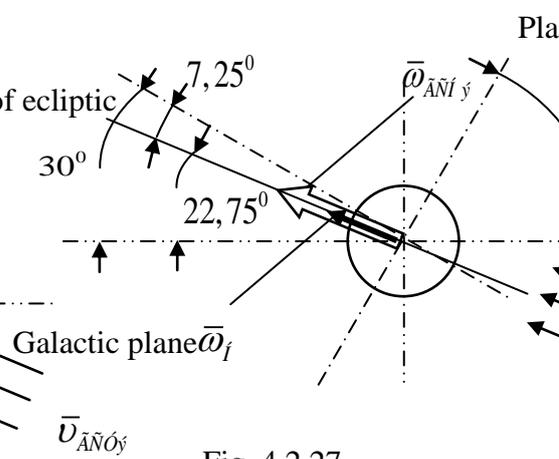


Fig. 4.2.27

Fig. 4.2.24

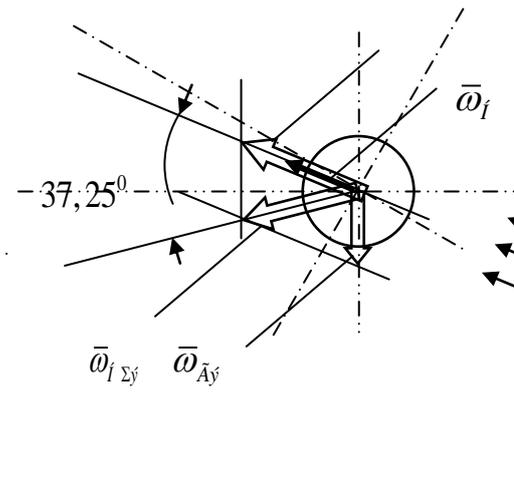
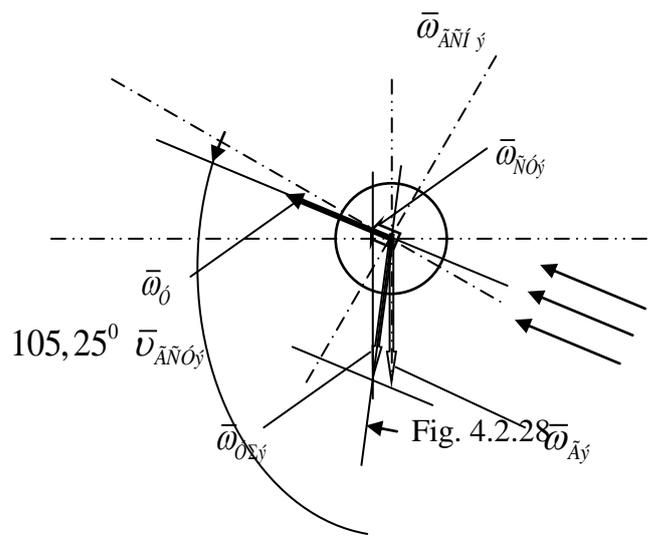


Fig. 4.2.28

Fig. 4.2.25

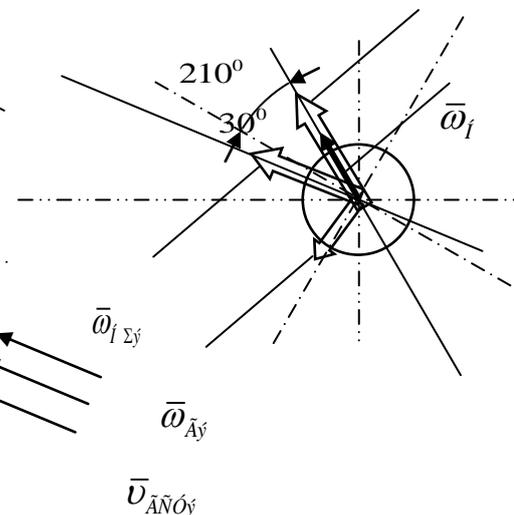
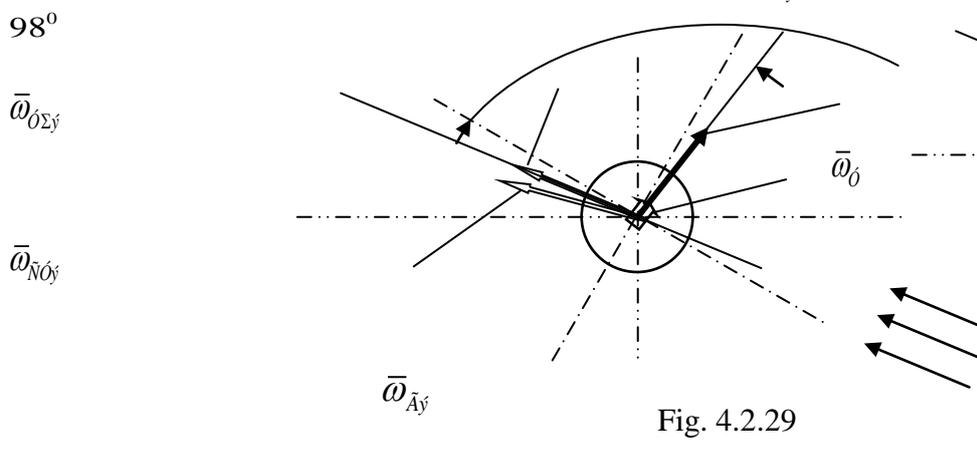


Fig. 4.2.29

4.3 On displacement of the perihelion of planets

Draw an overview of available information on the subject under discussion.

"One of the reasons that originated doubts about the truth of Newton's law of gravitation, was anomalous precession of the perihelion of Mercury, discovered by the French astronomer Verrier in the middle of the XIX century. This phenomenon consists in the fact that the point of the elliptical orbit of the planet closest to the sun moves in the space in the forward direction, i.e., in the direction of motion of the planet, so that the entire orbit around the sun begins to rotate in the same direction. The explanation for this phenomenon Verrier tried to give, assuming that between the Sun and Mercury have some planetary material in the form of a small planet, which scientists later gave the name of Vulcan. In the future, this assumption has not been confirmed. Then it turned out that the perihelion occurs not only for Mercury but also that of other planets in the solar system, including the moon. We briefly discuss the main ideas proposed to explain the perihelion shift. As other material bodies that could influence the motion of Mercury, between it and the sun has not appeared, Le Verrier theorized that at perihelion may affect other planets.

However, the influence of the planets was impossible to explain the entire amount of perihelion displacement, which was more than the calculated value of 39 "per century. This discrepancy, Verrier tried to explain by introducing an additional force into the law of gravitation of Newton, which in this case took the following form (in vector form):

$$\vec{F} = -G \frac{Mm}{r^2} \vec{r} + \vec{P}$$

where: *where* G - gravitational constant, M - mass of the Sun, m - mass of the planet, r - distance from the planet to the Sun, \vec{r} - the unit vector, \vec{P} - an additional force. "

/§11. On displacement of the perihelion of planets

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"As is known from the literature, all of the planets' orbits evolve over time, including their ellipses as it rotated, but the most noticeable this effect only for Mercury. Observations show that in the 100 years of its perihelion turns to 5600 "(angular seconds), where 5025" it is the turn of the system of reference, and 575 "is a dynamic shift due to the influence of objects in the solar system. Again, as written in literature, 532 "due to the influence of solar system objects of classical mechanics, and 43" are explained by the relativistic mechanics. for example, Lavery found an increase in the longitude of the perihelion of Mercury Julian century, caused by the pull of the other planets, and Clemens has only recently (1947) made impact on the calculation of the perihelion advance not only the planets but the compression of the Sun 0.01, and even from the Mercury 0.025 (only as on itself can be affected by the Mercury I do not understand) By the way, Venus perihelion generally occurs in the opposite direction. According Brumberg Experimental data on Mercury and the Earth is 576 and 1179 seconds, and the value at offset 52 seconds of Venus can be entirely explained by the fact that the measurement error of the perihelion of Venus at its microscopic eccentricity 0.0068 can be very large and it is possible that the offset is actually a negative sign. / The shift of the perihelion of Mercury and other planets Venus perihelion generally occurs in the opposite direction. According Brumberg Experimental data on Mercury and the

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"Attempts to improve Newton's law of universal gravitation undertaken since the mid XVIII century. The first attempt made in 1745, A. K. Klerov to explain the anomaly in the motion of the moon. In his memoir "On top of the world system of the gravity" Clairaut suggested that instead of Newton's law:

$$F = G \cdot \frac{m_1 \cdot m_2}{R^2}$$

The other, more general formula:

$$F = G \cdot m_1 \cdot m_2 \left(\frac{1}{R^2} + \frac{a}{R^4} \right)$$

Here F — the force of gravity, m_1, m_2 — the mass of bodies, R — the distance between the bodies, G — the gravitational constant" "Article 1895 Saymon Nyukom explored the way to explain the anomalies associated with the modification of the law

of universal gravitation. The simplest modification is the square of the distance is replaced by a slightly greater degree:

$$F = G \cdot \frac{m_1 \cdot m_2}{R^{2+\delta}}$$

Then, during one revolution the perihelion will be equal to:

$$\frac{2\pi}{\sqrt{1-\delta}} \approx 2\pi \left(1 + \frac{\delta}{2} \right),$$

That is, an additional offset equal $\delta \pi$.»

Some scientists (particularly Weber and Ritz) have expressed interest in this approach. Investigated and several more general version of the law of gravitation - adding in formula Newton expression is inversely proportional R^3 or R^4 .

Seeliger and Neuman have offered one more modification of the law of universal gravitation:

$$F = G \cdot \frac{m_1 \cdot m_2}{R^2} e^{-\lambda R}$$

In it the additional factor $e^{-\lambda R}$ it provides more rapid than that of Newton, gravity decrease with distance. Selection attenuation coefficient λ also explains the perihelion of Mercury, but in this case the motion of Venus, Earth and Mars ceased to comply with the observations. In 1897 the American astronomer William Ernest Brown published a very accurate tables of lunar motion. At the same time (1896) Hugo Hans von Seeliger explored three options for modification of Newton's law, including the law of the Hall, and showed that they are not in agreement with the observations. In 1910, Newcomb also came to the conclusion that the gravitational field is described by the classic Newton's law. "/ru.science.wikia.com > the wiki /

Smeschenie_perigeliya ... / In connection with the fitting results to justify the perihelion of Mercury, made by Einstein, A.K. Timiryazev wrote: "... The formula which expresses this movement, which coincides with Einstein's, was put in another way, and Gerber was already published in Physics and Mathematics Journal [Zeitschrift fur Mathematik und Physik] in 1898, therefore 17 years before Einstein. But the most important thing is not the point. According to the formula of Einstein-Gerber is the following: the movement of the perihelion of a hundred years is 42 arc seconds (42 seconds of arc, ie 42/3600 of a degree - about one-hundredth of a degree). On the other hand, the processing of astronomical observations made by Le Verrier and Newcomb gives 42.2. "; Seemingly better match and cannot be expected, however, and it is quite natural for a rigorous scientific work - have a number of scientists was the idea to double-check the findings Verrier and Newcomb, and what happened? it turned out that the calculations were not entirely accurate. E. Wiechert, carefully check the work of Le Verrier and Newcomb, I was not 42.2 "and 34". Grossman [Zeitschrift fur Physik, volume 5, p. 280. 1921 Astronom. Nachr. 214 p. 41 and 195. 1921] are also listed all astronomical observation, wherein it has allocated to a separate group of data received via the meridian circle. 29 observations obtained from this group, "and if you use all the observations, by Grossman turns 38". The results of these calculations has not been disproved. Thus, to talk about the agreement between theory and facts still early, but maybe later. ".
[/sceptic-ratio.narod.ru>fi/es13.htm/](http://sceptic-ratio.narod.ru>fi/es13.htm/)

Without going into an analysis of the conflicting experimental and calculated data, pay attention to the identified representation of data patterns. Firstly, the state that no theory justifying the amendments to the law of universal gravitation, and the theory itself,

explaining the essence of gravitational phenomena, according to Newton himself, so far no one has been presented. At the end of "Scholium generale" ("general learning") Newton wrote: "So far we have explained the phenomenon of sea and the sky, resorting to the gravitational force, but we have not yet established gravity causes Obviously, this power comes from some cause that. It penetrates until the center of the sun and planets, without losing its ability; it operates in accordance with the particle surface area to be exposed (as is the case with mechanical reasons), and proportional to the amount of solid material which they contain and it applies to all sides over great distances, decreasing in ratio, reverse square of the distance. The attraction of the individual particles that make up the body of the Sun, the distance from the sun decreases in inverse proportion to the square of the distance up to the orbit of Saturn, as is clearly evident from the peace aphelia planets, and up until the last ... In truth, I have not yet managed to bring the cause of these properties of gravity hypothesis, I did not invent. "Hypotheses, I did not invent."Hypotheses, I did not invent. "That less, we must acknowledge that the law of gravity yet is ingenious hypothesis of Isaac Newton. Now back to the subject under discussion. Studies 3.4 and 3.5 make it possible "to deduce the cause of those properties of gravity." Indeed, when the sun interaction - source with planets - drains, in accordance with the equations 3.5.11 interaction force is reduced by the amount of the second term proportional to $1/R^5$. And by reacting the Earth - Photo with the moon - the drain in accordance with the equations 3.5.14 interaction force is increased by the amount of the second term proportional to $1/R^5$. Almost the same proportion to come Clairau selection method, Weber and Ritz - "in formula addition Newton expression is inversely proportional R^3 or R^4 ».

Relative to the rotation of the perihelion of Venus in the opposite direction relative to the rotation of the perihelion of other planets, we should say that Venus, when the planet - source rotates as justified in the study 3.6 in the opposite direction than the other planets - drains. According to the available observations anomalous value perihelion planets decreases with distance from the sun planets. But this is the result of the observed deviations from Newton's law of universal gravitation on relatively small distances confirmed by the investigation 3.4 with sufficient accuracy. The study results prove the mechanical essence, both the law of universal gravitation, and the anomalous precession of the perihelion of the planets of the solar system.

4.4 Why do planets and the sun have the shape of a pear?

For the first time the hypothesis that the Earth has the shape of a pear was expressed by Christopher Columbus. His assumption he confirmed by calculations. Observations from satellites and studies conducted on Earth, confirmed the assumption of Columbus. Of all the proposed hypotheses, the views on the problem of Vladimir Akimovich Atsyukovsky seem most plausible, since they are based on the influence of the ether wind. (Unfortunately, our views on the mechanics of the ether were dispersed at the conference in Agudzera):

V.A. Atsyukovsky writes:

"Why does the Earth have such a pear shape at all?"

The Earth together with the Sun now and already 3-4 billion years is in such area of a spiral sleeve of the Galaxy in which it is blown by an ether stream from the north. Apex of the ether wind is located, as

established by DC Miller in 1927, somewhere in the vicinity of the Zeta star of the constellation of the Dragon (direct ascent 262 degrees, declination 65 degrees). This is Miller's data, perhaps this error has crept in, due to not taking into account the influence of the local relief, in particular, the mountain range, in which Mount Wilson, on which he measured, is located. The Earth's axis is thus somewhat inclined to the direction of the ether wind. In the Northern Hemisphere and partly in the southern hemisphere - from 70 ° C. W. Up to 20 degrees. W. The ether pressure is lowered due to the gradient of the stream velocity enveloping the Earth. The region of the North Pole and its immediate vicinity is the area of increased ether pressure, this is the region of inhibition of the oncoming ether stream: here the ether stream hits directly into the "crown" of the globe. The region south of the twentieth degree of south latitude is the area of normal ether pressure, there is neither an excess nor a decrease in ether pressure in comparison with its pressure in the World Space. According to the laws of the boundary layer after 110 degrees, counting from the point at which the ether stream hits the right angle, that is, somewhat below the equator, this stream begins to break away from the surface. Between this detached stream and the surface of the Earth in the region of the forties and fifties of the southern latitudes, an attached toroidal vortex of ether forms. Here one can state that the position of the toroidal ether vortex accompanying the attached ether vortex is tied to the star coordinates; This can be checked by meteorologists. Streams of ether, braking about the atmosphere, rotating together with the Earth, experience Coriolis acceleration, due to which the western component of the stream appears, which causes winds of the corresponding direction in this region. As a result of the airwind of the Earth's surface, the ether pressure in the northern hemisphere is less

than in the southern hemisphere. This not only caused the continents to move in the north direction, but also led to deformation of the entire globe: its shape became a "geoid", a sort of pear stretched toward the north. Thus, taking into account the presence of the ether wind, it became possible for the first time to consider from one standpoint not only the structure of the Galaxy and the Solar System, but also our native Earth. It should be noted that similar phenomena in one form or another must exist on all the planets of the solar system. This can verify the planetologists. We need only not forget that the boundary layer of the ether streams, which blow the planet, essentially depends on the presence of an atmosphere on it. "Unfortunately, many of the statements on this or that question are of an allegedly unsubstantiated nature, and, often, not true. For example, "the Earth ... is blown by the ether stream from the north (the geographic pole is meant)," V.A. Atsyukovsky writes. In fact, as established in studies 3.6 and 4.2, the ether stream is directed toward the southern geographic pole. However, modern knowledge has no other. Study 3.7 allows us to justify the pear-shaped form of the Earth. The earth is a drain. In Fig. 4.4.1. The Earth model is presented. The dashed line indicates the right ball, and the solid line indicates the geoid. The solid arrow indicates the angular velocity vector of the Earth's rotation - $\bar{\omega}_C$, And the white arrows indicate the vectors of the total forces acting on the Earth's surface at these points - $\bar{F}_{\Sigma ni}$ (Figure 3.8.5, equation 3.8.11)

Consider the equations 3.8.11. Forces \bar{F}_{2ci} , Applied at points A and C of the northern geographic hemisphere, will be greater than at points B and D of the southern geographic hemisphere. Moreover, the closer the points A, B, C, D are to the axis of rotation, the more these forces will be, since the mass of ether streams passing through the surface of the Earth will

increase. The maximum force will be applied along the axis of rotation in the northern geographic hemisphere, which leads to the convexity of the geoid in the vicinity of the northern geographic pole. The additional effect of the unevenness of the flattening of the Earth is created by centrifugal forces \bar{F}_{1ci} , which in the northern geographic hemisphere will be greater than in the southern hemisphere. Consequently, the Earth's extension in the northern hemisphere will be greater than in the southern hemisphere. In Fig. 4.4.1 shows the shape of the geoid that corresponds to the results of the study 3.7. Fig. 4.4.2 shows the shape of the geoid obtained from the results of space research. We arrive at a similar result when studying the sources 3.8.9 and 3.8.10. Only in this case the forces \bar{F}_{2ei} and \bar{F}_{1ei} will be larger in the southern geographic hemisphere and the picture will be opposite, as shown in Figure 4.4.3.

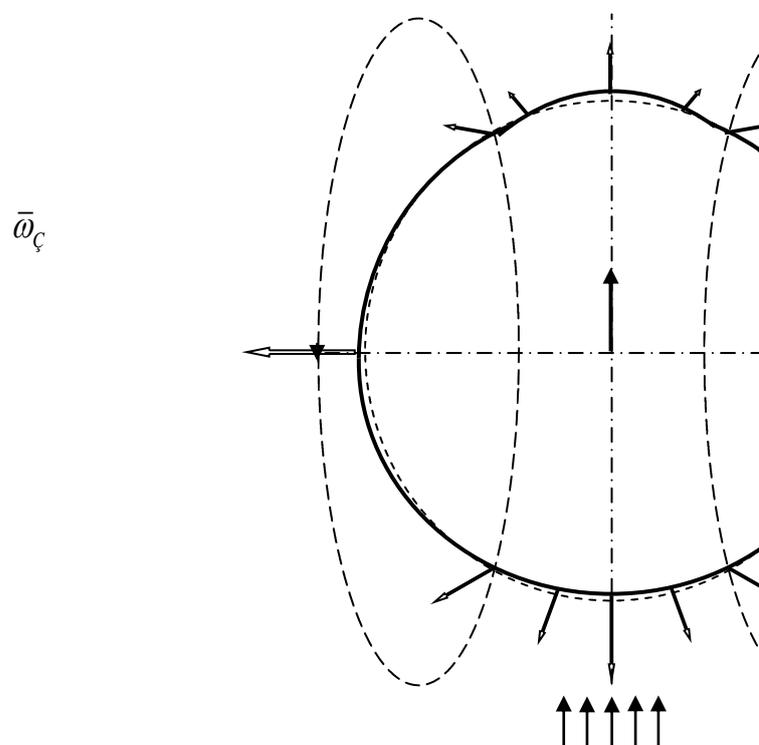


Figure: 4.4.1



----- ПРАВИЛЬНЫЙ ШАР
 ————— ГЕОИД

yandex.ru/images earth
 is shaped like a pear
Figure: 4.4.2

Vladimir Akimovich is right in saying that "similar phenomena in one form or another must exist on all the planets of the solar system" and the Sun itself. Only from the "presence of the atmosphere" this phenomenon does not depend - in this case there is an entirely different mechanism. The results of the study allow us to solve, on a mechanical basis, previously unexplained geoid of our planet. The findings of the study fully correspond to the data of space observations and the experimental results of ground surveys.

4.5 Gravitational interaction in mechanical interpretation

Until now, the mechanical essence of the origin of the gravitational interaction has remained unresolved. To the question: "What is gravitation?" - Nobel laureate R. Feynman answers: "Newton did not make guesses about this; It was enough for him to discover what was happening without going into the mechanism of what was happening, but no one else had opened any mechanism since. All physical laws differ in this respect by their abstract nature. The laws of mechanics are quantitative mathematical patterns about the internal mechanism of operation of which, there is no data." On this occasion K. Putilov wrote: "Many hypotheses proposed at different times about the causes of gravitation were not confirmed by physicists. Recently attention from this problem was abstracted by Einstein's treatment of gravitation as a manifestation of the geometric properties of space-time." Guided by the same thread to solve this problem were the policy statements voiced by Newton, and Lomonosov. "To admit that one body can affect the other through emptiness," wrote Newton, "without the mediation of anything that would convey the action and force from one body to another, seems to me so great absurdity

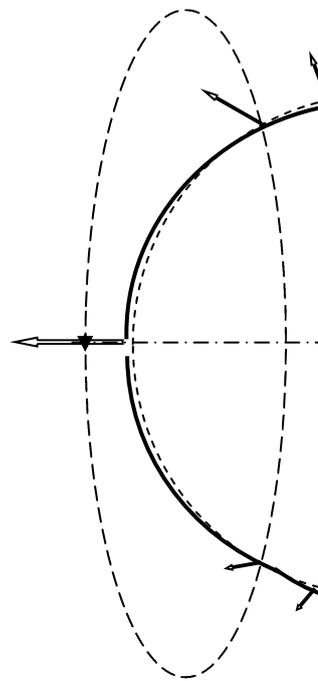


Fig. 4.4.3

that I do not think that a person competent in the philosophical Thinking could ever do it " Concerning the origin of the forces of attraction, Lomonosov asserted: "The real attraction is when one cannot assume any impulse. Apparent, then, when, in appearance, the body B is attracted by the body A, but in fact receives shocks from it or from another insensitive body. " (Under the word "insensitive" Lomonosov means an environment - an intermediary, inaccessible to the perception of the senses. / Author /) "The famous Bernoulli," continues Lomonosov, "explains the majority of the pulls by pushing. The reality of the movement produced by the pushing is unquestionable; therefore, the bodies are motivated to move by one push. " Thus, Newton and Lomonosov outline the only possible way of constructing a theory of gravitation based on the idea that there must exist between mediators a certain mediator, a material medium whose push mechanism, which ensures the mutual attraction of bodies, is hidden from the observer, Here, the idea of exchange interaction comes to the aid, which was proposed by M.P. Bronstein, like the exchange of gravitating bodies by virtual particles-gravitons and the Japanese physicist, Nobel laureate, Yukawa, to explain the meson interaction. Proceeding from the foregoing, let us consider two material objects I and II, consisting of a set of maxi- sources and maxima bounded by surfaces of spheres of radii r_1 and r_2 , respectively. Let us assume that the total intensity of emission and absorption of the ether streams, of the individual objects I and II, is zero, that is, the mass of the fluxes of the emitted and absorbed ether streams per unit of time of the individual objects I and II remains the same. Then, part of the ether streams emitted by the object I will be absorbed by the object II, and some of the ether streams emitted by the object II will be absorbed by the object I. As a result, an exchange interaction

Consequently, the resulting gravitational force acting on the object I - $F_{1\Sigma}$, will consist of two components. The first summand $F_{1\bar{e}n\bar{e}l}$ when the object I acts as a source, and the object II as a sink, the second term $F_{1\bar{n}e\bar{e}l}$, when the object I acts as a drain, and the object II in the role of a source multiplied by the coefficient of exchange interaction - $k_{\bar{e}}$, which takes into account the fraction of ether particles participating in the exchange interaction, out of the total mass of the objects I and II emitted and absorbed by the maxi- meters and maxima of the objects.

$$F_{1\Sigma} = k_{\bar{e}} (F_{1\bar{e}n\bar{e}l} + F_{1\bar{n}e\bar{e}l}) \quad (4.5.1)$$

In connection with the fact that according to the accepted conditions of equal intensity of sources and drains of objects I and II, we accept the natural assumption of the proportionality of the total intensities of objects I and II to their masses.

$$Q_{\bar{e}1} = Q_{\bar{n}1} = k_m M_1$$

$$(4.5.2)$$

)

$$Q_{\bar{e}2} = Q_{\bar{n}2} = k_m M_2$$

$$(4.5.3)$$

)

Where: k_m - coefficient of proportionality;

M_1, M_2 - masses of objects I and II, respectively

Then substituting the values from (4.5.2), (4.5.3) into equations (3.6.6) and (3.6.9),

taking into account the summation of equation (4.5.1), we obtain the value $F_{1\Sigma}$:

$$\begin{aligned}
 F_{1\Sigma} &= \frac{kk_i k_m^3 \rho_e M_1 M_2}{9\pi \rho_y^2 L^2} - \frac{kk_i k_m^3 M_1 M_2^2}{4\pi^2 \rho_y^2 L^5} + kk_i k_m M_1 a_{oc} - \frac{4kk_i k_m^2 M_1 M_2^2}{9\pi \rho_y^2 L^2} + \frac{kk_i k_m^3 M_1 M_2^2}{4\pi^2 \rho_y^2 L^5} + kk_i k_m M_1 a_{oc} + \frac{4kk_i k_m^2 M_1 M_2^2}{9\pi \rho_y^2 L^2} \\
 &= \frac{kk_i k_m^3 M_1 M_2 (\rho_e + \rho_n)}{9\pi \rho_y^2 L^2} - \frac{2kk_i k_m^3 M_1 M_2^2}{4\pi^2 \rho_y^2 L^5} + 2kk_i k_m M_1 a_{oc}
 \end{aligned}
 \tag{4.5.4}$$

The first term in equation (4.5.4) fully corresponds to the Newtonian law of universal gravitation, since - the interaction force is directly proportional to the masses of interacting bodies and inversely proportional to the square of the distance between them. The subsequent terms in the equation are of the lowest order in L and M . Their values become commensurable with the value of the first term of the equation at relatively small distances between objects I and II, large relative velocities and accelerations. Equation (4.5.4) and equations (3.6.3) and (3.6.4) are identical and differ only in the magnitude of the coefficient k_i . Thus, electrical and gravitational interactions are one and the same phenomenon, which is explained in the mechanism of interaction of sources and drains. Feynman formulated the basic requirements for the construction of a unified field theory: "It is possible that gravitation and electricity are connected much more strongly than we think. Many attempts were made to unite them in a unified field theory. The most interesting thing in comparing them with each other is the relative magnitude of these forces. Any theory in which both forces appear will also have to explain the magnitude of gravity. If we measure in natural units the

repulsion of two electrons (due to the fact that they have a charge) and their attraction (arising from the fact that they have a mass), then we can get the ratio of electric repulsion to gravitational attraction. Gravitational attraction is extremely small value of the coefficient k_i finds its natural explanation in the circumstance that the bulk of the emitted and absorbed ether particles participate in the processes of nuclear, weak and electrical interactions at the micro level, while the fraction of particles participating in the exchange-gravitational interaction at the macro level is negligible. It is small. Consequently, the force of the gravitational interaction will be negligible in comparison with the electric interaction, which fully agrees with the criterion advanced by Feynman to the construction of a unified field theory. The present study also makes it possible to eliminate the shortcoming pointed out by Feynman to the "instantaneous propagation of gravitation" present in Newton's equations, since the propagation velocity of the interaction, in accordance with the present study, is determined by the velocity of the ether streams participating in these processes.

The results of this study make it possible "to establish a connection and to present gravitation and electricity as two different manifestations of the same mechanical essence," fully meeting the requirements presented by R. Feynman. In connection with this, the present study makes it possible to expose scientific inconsistency and reject the "Einstein mystical interpretation of gravitation, as manifestations of the geometric properties of space-time" and return to the mind of dialectical materialism. We come to the conclusion that the gravitational interaction of material objects is carried out by means of a material medium - an ether, "transmitting action and force from

one body to another." I. The need for the existence of a material medium-mediator in physical interactions was pointed out by I. Newton, all previous and subsequent generations of scientists.

4.6 Electrical interactions in mechanical interpretation

Equations (3.6.6) - (3.6.9) allow us to substantiate the mechanical nature of electrical interactions. Suppose that the intensity of micro-sources and micro-effluents at the atomic-molecular level is equivalent to the value of charges - q^- and q^+ , respectively. Then the intensity of the micro source will be

$$Q_{\bar{e}} = q^-$$

(4.6.1)
)

And the intensity of micro-flow

$$Q_{\bar{n}} = q^+$$

(4.6.2)

Substituting these values into $Q_{\bar{e}}$ and Q_c into the equations (3.6.6) - (3.6.9), we obtain:

Negative charge I - positive charge II

$$F_{uc\bar{e}} = \frac{kk_{\bar{n}}\rho_{1\bar{n}}q_1^+q_2^-}{9\pi\rho_y^2L^2} - \frac{kq_1^-(q_2^+)^2}{4\pi^2\rho_y^2L^5} + kq_1^+a_{oc} + \frac{4kk_{\bar{n}}\rho_{1\bar{n}}q_1^+}{9\rho_y}v_{io}$$

$$kq_1^-\dot{a}_{i\bar{n}} - \frac{4kk_{\bar{n}}\rho_{1\bar{n}}q_1^-}{9\rho_y}v_{i\bar{n}}$$

(4.6.3)

Positive charge I-negative charge II

$$F_{c\bar{e}\bar{I}} = \frac{kk_{\bar{n}}\rho_{1\bar{n}}q_1^+q_2^-}{9\pi\rho_y^2L^2} - \frac{kq_1^+(q_2^-)^2}{4\pi^2\rho_y^2L^5} + kq_1^+a_{oc} + \frac{4kk_{\bar{n}}\rho_{1\bar{n}}q_1^+}{9\rho_y}v_{oc}$$

(4.6.4)

Negative charge I-negative charge II

$$F_{\bar{e}\bar{e}\bar{I}} = -\frac{kk_{\bar{e}}\rho_{1\bar{e}}q_1^-q_2^-}{9\pi\rho_y^2L^2} - \frac{kq_1^-(q_2^-)^2}{4\pi^2\rho_y^2L^5} - kq_1^-a_{oc} - \frac{4kk_{\bar{e}}\rho_{1\bar{e}}q_1^-}{9\rho_y}v_{oo}$$

(4.6.5)

Positive charge I - positive charge II

$$F_{\bar{m}\bar{I}} = -\frac{kk_{\bar{n}}\rho_{1\bar{n}}q_1^+q_2^+}{9\pi\rho_y^2L^2} - \frac{kq_1^+(q_2^+)^2}{4\pi^2\rho_y^2L^5} - kq_1^+a_{oo} + \frac{4kk_{\bar{n}}\rho_{1\bar{n}}q_1^+}{9\rho_y}v_{io}$$

(4.6.6)

Where: q_1 and q_2 - values of the charges of objects I and II, respectively.

The results of the analytical study satisfy Maxwell's requirements to the modern theory, which "must completely satisfy the laws whose mathematical expression is already known, and, in addition, provide the means for the theoretical calculation of the cases when the known formulas are inapplicable. Therefore, for the successful development of the theory, it is first of all necessary to simplify the conclusions of previous studies and lead them to the form most accessible to perception. The results of such a simplification can be represented either by a purely mathematical formula or by a physical hypothesis ". The first term in equations (4.6.3) - (4.6.6) completely satisfies the known empirical equations of electrostatics. Subsequent - provide a means for calculating previously unknown regularities of the dependence of the forces of electrical interaction of charges on the inverse proportionality of the fifth power of the distance between them, as well as on their relative velocities, accelerations and other parameters. The dependence of the forces of electric interaction of charges on

their relative velocities and accelerations has experimental confirmation. As early as 1846, Wilhelm Weber "theoretically derived the law of interaction of moving charges, for the first time introducing a dependence not only on the magnitude and sign of the charges, but also on the relative velocity and acceleration of their displacement, but the theory on which it relied allowed the existence of forces instantaneously acting on Distance, and ignored the role of the environment in the transfer of interaction "(Great Soviet Encyclopedia).The Weber formula for the case of the interaction of two charges has the form.

$$F_{21} = \frac{q_1 q_2}{4\pi\epsilon_0 r^2} - \frac{q_1 q_2}{8\pi\epsilon_0 r^2 c^2} \left(\frac{dv_1}{dt} \right) \left(\frac{dv_2}{dt} \right)$$

In addition, in the electrostatic plane, Weber's formula is limited by the Coulomb interaction-does not take into account changes in the interaction forces at short distances. The same deficiencies are possessed by formulas obtained by Neumann, Grassmann, Ampere, and Whitaker. The results of this study are devoid of the above disadvantages, since in addition to taking into account the speed and acceleration of the transfer of interaction forces, they also take into account the change in the interaction forces at short distances, and, based on a real physical mechanical model, take into account the role of the medium in the transfer of interactions. The results of the analytical study fully correspond to the experimental and experimental data, allow us to substantiate the mechanical essence of the physical phenomenon predicted by Faraday and Maxwell, to expose the futility and futility of attempts to reveal the essence of the physical phenomenon on the basis of pseudoscientific idealistic fabrications.

4.7 Electric current in mechanical interpretation

A modern explanation of the physical nature of the passage of electric current in conductors is presented in the article

"The electric current in the conductors» /tel-spb.ru> current /.

The article states that: "The electric current - the directional movement of charged particles in an electric field. Charged particles may be electrons or ions (charged atoms). Atom that has lost one or more electrons to acquire a positive charge. -anion (positive ion). Atom joined by one or more electrons, becomes negatively charged. - Cation (negative ion). Ions as charged particles moving in the treated liquids and gases. In metals, the charge carriers are free electrons, the negatively charged particles. For the direction of the electric current provisionally accepted direction of movement of the positive charges. This rule was established long before the e-learning and continues to this day. Similarly, the electric field strength is defined for a positive test charge. On any single charge q in the electric field intensity E a force $F = qE$, which moves the charge in the direction of this force vector.

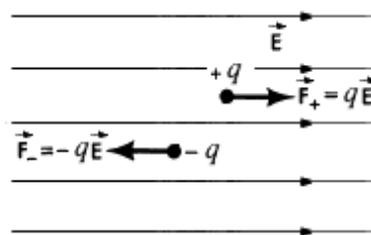


Figure: 4.7.1

Figure 4.7.1 shows that the force vector $F_- = -qE$, acting on a negative charge $-q$, directed in the direction opposite to the vector of the field strength, as the product of the vector E to a negative value. Consequently, negatively charged

electrons which are charge carriers in metallic conductors, in reality have a direction opposite to the vector of the field strength and the conventional direction of the electric current.

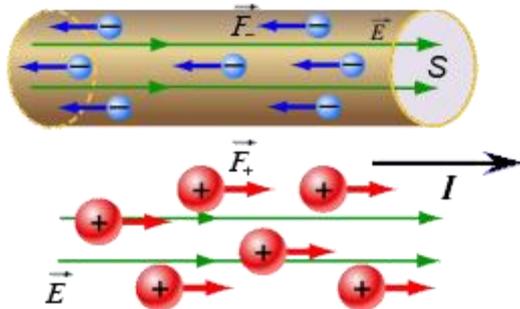


Figure: 4.7.2

The conductors are free charge carriers, which under the force of the electric field are set in motion and produce electric current. In metal conductors, the charge carriers are free electrons. The electric current in the liquid (electrolyte) exist as a directed movement of charged atoms (ions) are produced in the process of electrolytic dissociation, as shown in Figure 4.7.2. Ions move toward the electrode of opposite sign, and they are neutralized, settling on them Anions - positive ions. Move to the negative electrode - the cathode. Cations - negative ions. Move to the positive electrode - the anode. Electric current in gases - the plasma. The electric charge transferred by positive or negative ions and free electrons are produced by irradiation. There is an electric current in the vacuum as the stream of electrons from the cathode to the anode. " The results of research: 3.4, 3.6, 3.7 and 4.1 - allow us to construct a mechanical model of current stream in conductors, shown in Fig. 4.7.3. In a study by analogy with 4.1 galactic structures it has been found that the quantity, mass and activity in macro effluent will exceed the number of conductors, and the mass activity macro- sources. Therefore, when considering the model in Fig. 4.7.3 mutually neutralized macro sources and drains of macro can be neglected. In this

connection, in Fig. 4.7.3 lists only active macro drains. The electric current in the conductors, in accordance with the study 3.4 initiated streams ether from sources to drains, e.g., in the batteries or in closed circuits streams through ether induced currents by electromagnetic induction. 3.7 The study provided evidence that the sources and drains oriented in the stream direction of the poles of ether, which ether flows, forming, with interconnected chains as shown in the studies 3.8 and 4.9. Therefore mini sources shown in Fig. 4.7.3 with the sign (-) (electrons) incident stream of entrained ether will be directed thereto towards the axes of rotation, shown in Fig. 1 by solid arrows, and the wastewater macro shown in Fig. 1 with the sign (+) rotation axes are directed in the same direction as the incoming flow. In study 3.7 found that the total force acting on the mini-springs in the direction of the axis of the conductor shown in ris.4.7.3 white arrows are directed from right to left, and the total force acting on the maxi- runoff will be directed from left to right. Under the influence of these forces the mini-drains (electrons) are free to move left to right, and the conductor, as a whole, will be moved from right to left, because the rigidly fixed in the conductor maxi-effluents force will act in the same direction. will move from right to left, as the rigidly fixed in a conductor maxi-drains will apply force in the same direction. will move from right to left, as the rigidly fixed in a conductor maxi-drains will apply force in the same direction. Similar forces would act on the anions and cations and other charged particles in electrolytes and gases, causing them to move in opposite directions.

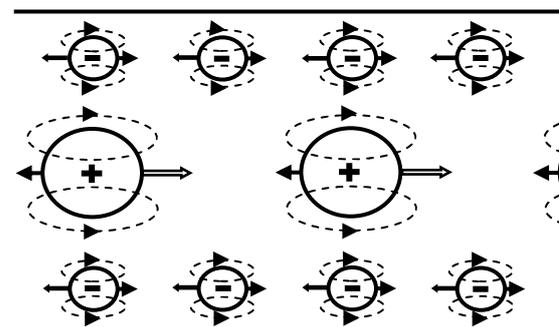


Figure 4.7.3: The incoming ether stream

4.8 The attraction and repulsion of parallel conductors with current

"In 1820, Hans Christian Oersted discovered that a wire on which there is a current creates a magnetic field and causes a compass needle deviate. He noted that the magnetic field perpendicular to the current, rather than parallel to it, as one would expect. Amperes, inspired by a demonstration of the experience of Oersted, discovered that two parallel conductors, through which current flows, attract or repel depending on whether one or opposite sides of it there is a current. Thus, not only the current produces a magnetic field but the magnetic field acts on the current. Within a week after the announcement of Oersted about her experience, Ampere offered an explanation: the conductor acts on the magnet, because the magnet current streams for a variety of small closed paths. »./encyclopaedia.bid» Wikipedia Ampere Power / "The question is why two parallel electron beams repel each other, and the two parallel conductors through which currents stream in the same direction are attracted?"

In the first case, there is an electrical interaction. Electron - negative particle. Similarly charged particles repel each other. Both electron beam a stream of moving negative electrons. In the second case, the magnetic interaction occurs. Electric current - a directed stream of moving charged particles. Around the conductor there is a current magnetic field. The magnetic field of the first conductor with the Ampere force acts on

the second current-carrying conductor, the magnetic field of the second conductor with a force acts on Ampere first current-carrying conductor. The direction of the Ampere force is determined by the rule of "Left Hand". Remarkably, but somehow "around current-carrying conductor there is a magnetic field", and around exactly the same current (electron beam) but without the guide "around", no magnetic field? As a conductor, "adds" a magnetic field when current is only the movement of electrons in it?

» / NanoWorld.org.ru>topic/701/page/7/ "To explain attraction and repulsion of parallel conductors with current possible that the electrical field around a magnetic field having its pole, probably at these conductors, they are different, this attraction is obtained. Just like a magnet, different poles attract and repel each other with the same name. Obviously, it is very simple. Around any conductor with a current magnetic field is formed. If two parallel conductor and around each conductor appeared magnetic field become effective strength of the magnetic poles. Wires of opposite poles attract and repel each other with the same name. "/3.1Chem can be explained by the attraction of two parallel bolshoyvopros.ru ... > Questions provodnikov tokom.htm/ The case remains for small. Find out how current-carrying conductors are transformed into magnets. In Fig. 4.8.1 is a sectional view of two current carrying wires. Displaying circular transverse direction ether flows. Paragraph43./Interaction with current

conductors servomotors.ru > documentatio n / electrical 43.html ... 2 ... / current explanation is presented the physical nature of interaction with the current conductors: - "If close to each other arranged conductors with current in one direction, the magnetic lines of these conductors, covering both conductors, having a longitudinal tensile properties and

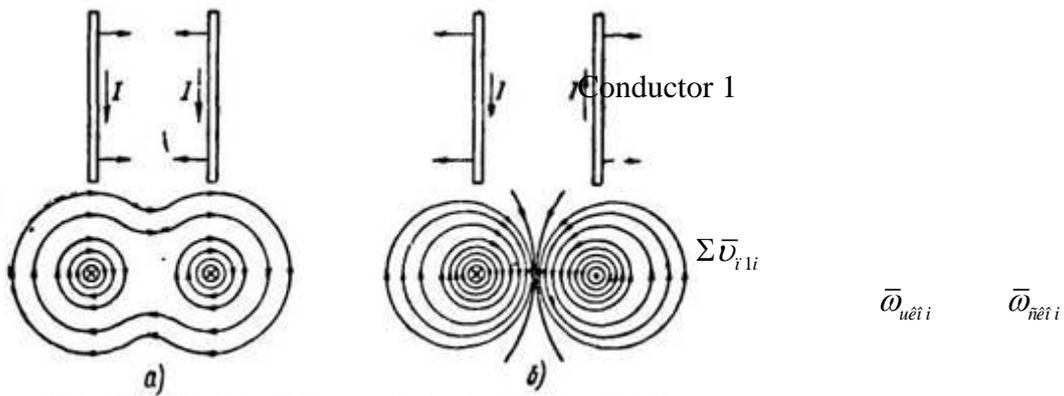
in order to cut, will cause the conductors to be attracted.- Magnetic lines of two conductors with the currents of different directions in the space between the conductors in the same direction. Magnetic lines having the same direction are mutually repelled. Therefore, the conductors with currents in opposite directions repel one another. "Such an explanation does not match the reality. According to the concept of Faraday and Maxwell, and the results of this study around current-carrying conductors do arise streamline, i.e. circular transverse streams ether as shown in the figures and 4.8.1a 4.8.1b. The mechanical nature of the electric current in the conductors is considered in the study 3.7. Where the lines are thick current - ether stream rate will be greater, therefore, the pressure will be less than where current lines are less common. Therefore, in this case, the conductors depicted in Fig. 4.8.1a will be repelled rather than attracted. While depicted in Fig. 4.8.1b, will be attracted, not repelled. However, besides circular transverse currents exist ether longitudinal streams directed along the axes of the conductors with current. Figures 4.8.2 and 4.8.3 are presented mechanical interaction model with current conductors. Shows longitudinal and cross sections of conductors with current. In Fig. 4.8.2 sloping ether streams along the first conductor - $\sum \bar{v}_{i1i}$ and along the second conductor- $\sum \bar{v}_{i2i}$ directed in the same direction (unidirectional currents). A in Fig. 4.8.3 incident stream ether $\sum \bar{v}_{i1i}$ and $\sum \bar{v}_{i2i}$ in opposite directions (Note i -, hereinafter - denote the ordinal number of the handset participating in the interaction). For convenience, the conductors are shown in the figures one above the other. In fact, the conductor 1 is disposed in front of the conductor 2 that correspond to the image presented in the section A-A. The set angular velocity

streams of small ether sources (electrons) conductor 1 - $\sum \bar{\omega}_{y\dot{e}r1i}$, it creates a directed stream of ether around the conductor 2 - $\sum \bar{v}_{y\dot{e}r1i}$. Where $\bar{\omega}_{y\dot{e}r1i}$ - angular tube ether unit stream rate of the conductor 1, and $\bar{v}_{y\dot{e}r1i}$ - linear velocity of the circular cross-flow mini ether source conductor 1. Similarly, a plurality of angular velocities mini sources ether conductor 2 streams - $\sum \bar{\omega}_{y\dot{e}r2i}$ it creates a directed ether stream around the conductor 1 - $\sum \bar{v}_{y\dot{e}r2i}$. Where $\bar{\omega}_{y\dot{e}r2i}$ - angular tube ether unit stream rate of the conductor 2, and $\bar{v}_{y\dot{e}r2i}$ - linear velocity of the circular cross-flow mini ether conductor source 2.

Mini sources are shown in the figures in small circles with the sign (-) and the solid arrow indicating the direction of rotation of mini-power. Under the influence of the amount of perpendicular stream $\sum \bar{v}_{i1i} + \sum \bar{v}_{y\dot{e}r2i}$ Explorer 1, and under the influence of the amount of perpendicular stream $\sum \bar{v}_{i2i} + \sum \bar{v}_{y\dot{e}r1i}$ conductor 2, maxi-drains (protons) and maximum sources (antiprotons) that make up the substance of conductors in accordance with the study 4.7 turn the magnetic poles of the side into which streams ether stream into, as shown in Figures 4.8.2 and 4.8 .3. Maxi sources depict large circles with the sign (-), and Maxi drains depicted large circles with the sign (+). The solid arrows indicate the direction of rotation maxi- sources and maximum effluent. Mechanical model of electrons, protons and antiprotons are considered in studies 3.6 and 4.1. In this case the angular rotation velocity streams ether maxi- sources $\bar{\omega}_{e\dot{e}i}$ and maximum runoff - $\bar{\omega}_{n\dot{e}i}$ will coincide with the direction of $\sum \bar{v}_{i1i} + \sum \bar{v}_{y\dot{e}r2i}$. $\bar{\omega}_{e\dot{e}i}$ decomposed into two components: $\bar{\omega}_{e\dot{e}oi}$ - disposed along the axis of the conductors

and $\bar{\omega}_{\hat{e}\hat{e}ni}$ - disposed across the conductors. And $\bar{\omega}_{\hat{c}\hat{e}i}$ decomposed into two components: $\bar{\omega}_{\hat{c}\hat{e}oi}$ - disposed along the axis of the conductors and $\bar{\omega}_{\hat{c}\hat{e}ni}$ - disposed across the conductors. The angular rotation speed of ether streams depicted in the figures by white arrows. The set angular velocity streams ether maxi- sources $\Sigma\bar{\omega}_{\hat{e}\hat{e}1i}$ and maximum runoff - $\Sigma\bar{\omega}_{\hat{n}\hat{e}1i}$ conductor 1 creates a field of linear velocities circular cross stream around the conductor 1 ether - $\Sigma\bar{v}_{\hat{e}1i}$. A plurality of angular velocities ether streams maxi- sources - $\Sigma\bar{\omega}_{\hat{e}\hat{e}2i}$ and maximum runoff - $\Sigma\bar{\omega}_{\hat{n}\hat{e}2i}$ conductor 2 field linear velocities creates circular cross stream around the conductor ether 2 - $\Sigma\bar{v}_{\hat{e}2i}$. Applying the principle of superposition of velocity fields $\Sigma\bar{v}_{\hat{e}1i}$ and $\Sigma\bar{v}_{\hat{e}2i}$, we obtain mechanical interaction model circular cross stream ether parallel conductors with current, shown in Fig. 4.8.1. As stated previously, in this case, the conductors with unidirectional currents will be repelled, and with oppositely directed currents will be attracted. Similarly, a plurality of angular velocities ether streams maxi- sources - $\Sigma\bar{\omega}_{\hat{e}\hat{e}1i}$ and maximum runoff - $\Sigma\bar{\omega}_{\hat{n}\hat{e}1i}$ conductor 1 creates a field of linear velocities of a longitudinal stream along the axis of the conductor ether 1 $\Sigma\bar{v}_{\hat{e}1i}$. A plurality of angular velocities ether streams maxi- sources $\Sigma\bar{\omega}_{\hat{e}\hat{e}2i}$ and maximum runoff - $\Sigma\bar{\omega}_{\hat{n}\hat{e}2i}$ conductor 2 field linear velocities creates longitudinal stream of ether along the axis of the conductor 2 - $\Sigma\bar{v}_{\hat{e}2i}$. Where $\bar{v}_{\hat{e}1i}$ and $\Sigma\bar{v}_{\hat{e}2i}$ - linear velocity field of longitudinal stream ether maxi- sources and maximum

effluent conductors 1 and 2 respectively. Applying the principle of superposition of velocity fields $\Sigma\bar{v}_{\hat{e}1i}$ and $\Sigma\bar{v}_{\hat{e}2i}$, we obtain mechanical interaction model ether longitudinal stream parallel conductors with current, shown in Fig. 4.8.2 and 4.8.3. Figures 4.8.2 and 4.8.3 in the cross sections A-A and between the conductors on both sides of them multidirectional circles show unit section tubes ether fluxes (magnetic field lines). Where circles () - indicate the removal of the ether streams from the observer, and circles () - indicate the approaching ether stream to the observer. In this case, the pressure between the wires with the same current direction as shown in Fig. 4.8.2, will be less than on either side of them as $\Sigma\bar{v}_{\hat{e}1i}$ and $\Sigma\bar{v}_{\hat{e}2i}$ between the conductors are added and subtracted from the outside. While the pressure between the conductors with oppositely directed currents, shown in Fig. 4.8.3 will be greater than outside, because $\Sigma\bar{v}_{\hat{e}1i}$ and $\Sigma\bar{v}_{\hat{e}2i}$ between the conductors are deducted, and outside the fold. Consequently, the parallel wires with the same current direction will be attracted, while as the opposite direction will be repelled. We conclude that in the case of interaction with parallel conductors shock forces arising from the longitudinal ether stream prevail over the forces that arise from the transverse ether streams. These findings are confirmed by experiments with magnets Nikolaev having similar nature of physical interactions presented in the study, 4.11. The present study provides substantiate mechanical nature of the physical phenomenon of interaction of parallel conductors with the currents.



Фиг. 100. Взаимодействие двух проводников с токами:
 а — протекающими в одну сторону, б — протекающими в разные стороны

Figure: 4.8.1

Conductor 1

Conductor 2

$$\bar{\omega}_{uei} \quad \bar{\omega}_{nei}$$

$$\bar{\omega}_{e\bar{e}ni} \quad \bar{\omega}_{e\bar{e}i} \quad \bar{\omega}_{n\bar{n}i} \quad \bar{\omega}_{n\bar{n}i}$$

$$\bar{\omega}_{e\bar{e}ni} \quad \bar{\omega}_{e\bar{e}i} \quad \bar{\omega}_{n\bar{n}i} \quad \bar{\omega}_{n\bar{n}i}$$

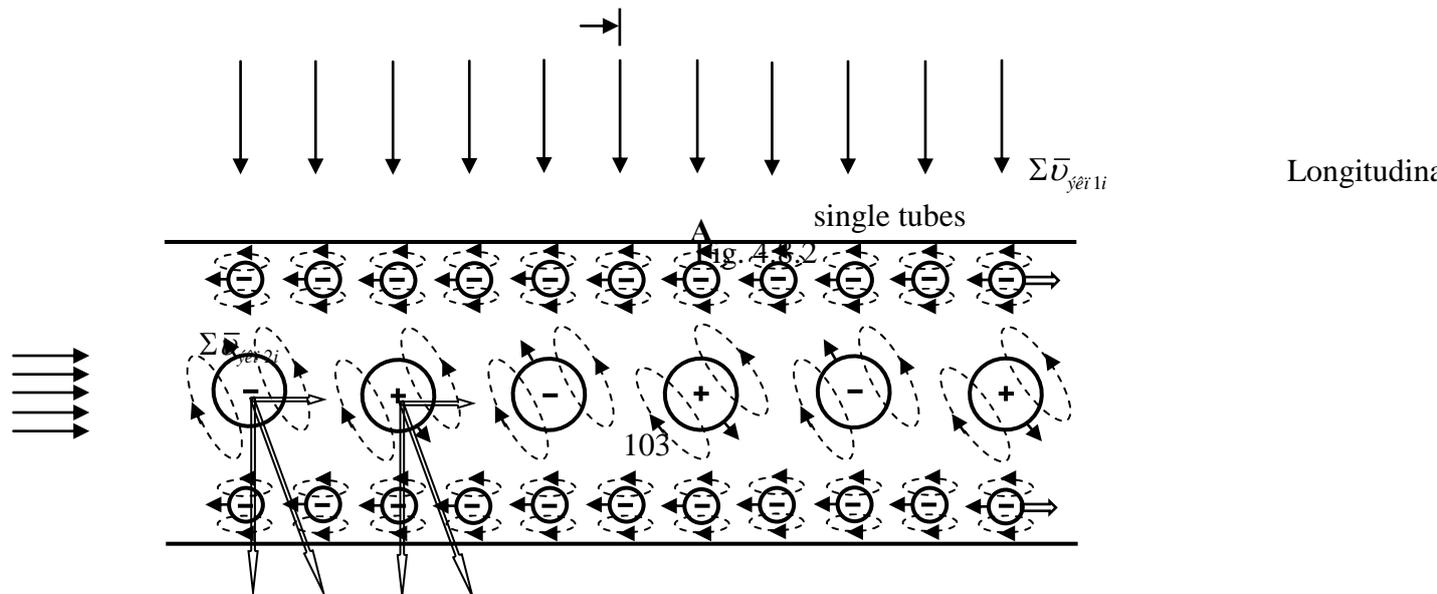
$$\bar{\omega}_{uei} \quad \bar{\omega}_{nei}$$

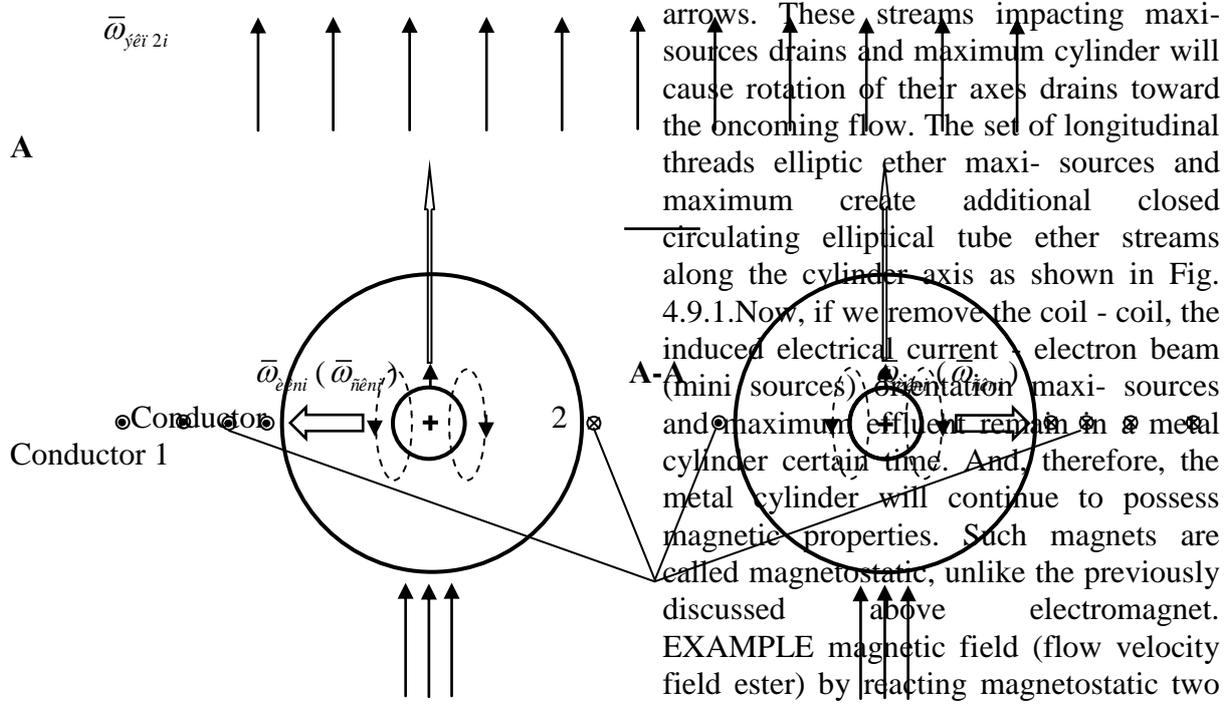
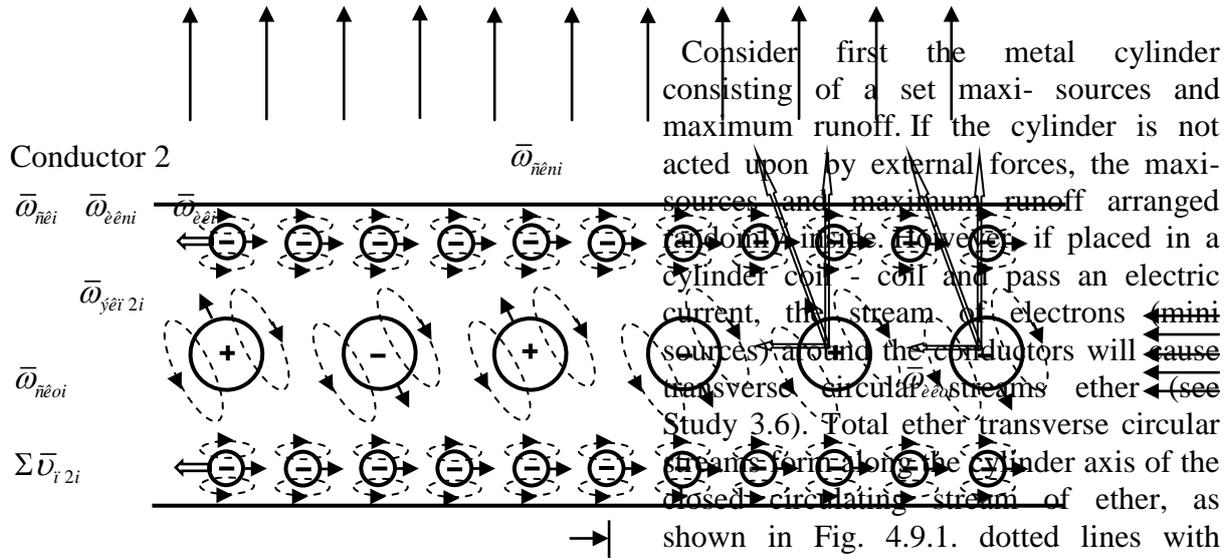
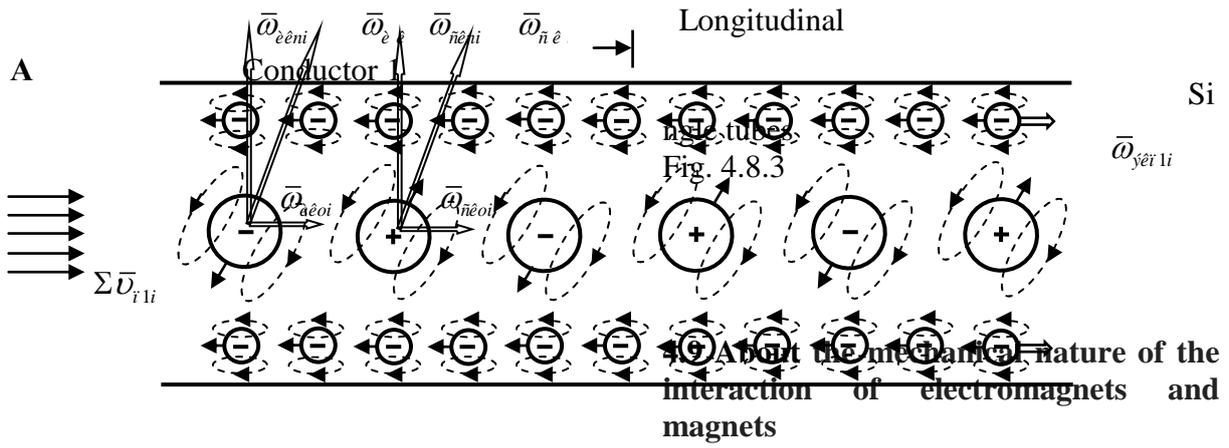
$$\Sigma \bar{V}_{i2i}$$

$$\Sigma \bar{V}_{y\bar{e}i1i}$$

A-A $\Sigma \bar{V}_{y\bar{e}i2i}$

Conductor 2
 Conductor 1





Consider first the metal cylinder consisting of a set maximum sources and maximum runoff. If the cylinder is not acted upon by external forces, the maximum sources and maximum runoff arranged randomly inside. However, if placed in a cylinder coil - coil and pass an electric current, the stream of electrons (mini sources) around the conductors will cause transverse circular ether streams (see Study 3.6). Total ether transverse circular streams form along the cylinder axis of the closed circulating stream of ether, as shown in Fig. 4.9.1. dotted lines with arrows. These streams impacting maximum sources drains and maximum cylinder will cause rotation of their axes drains toward the oncoming flow. The set of longitudinal threads elliptic ether maximum create additional closed circulating elliptical tube ether streams along the cylinder axis as shown in Fig. 4.9.1. Now, if we remove the coil - coil, the induced electrical current (electron beam mini sources) orientation maximum sources and maximum effluent remain on a metal cylinder certain time. And, therefore, the metal cylinder will continue to possess magnetic properties. Such magnets are called magnetostatic, unlike the previously discussed above electromagnet. EXAMPLE magnetic field (flow velocity field ester) by reacting magnetostatic two cylinders is shown in Fig. 4.9.2. Magnets cooperation will naturally take place under the same rules as in the study 3.8. That is

the same name the poles tend to be repelled and attracted to oppositely charged. Maxwell's quote: "If each cell, i.e. maxi- source or drain maxi- (see section 3.6) is a part of a continuous cell system, the fluid flowing out of one cell will flow into the subsequent and so on, so that our sources can be moved from the ends of the cells on the ends of individual tubes. If all individual tubes begin and end on the cell surface of the system, the sources will be based only on the surface; therefore the magnet, wherein the distribution of the magnetism is so-called a solenoidal, or tubular, the entire free magnetism on the surface. Here, however, the study will have solution to the problem of how single cells in the fluid motion can present the polarity of the elementary magnets. The unit of the amount of liquid streams through one side of each cell and streams out through the opposite. Thus, with respect to the rest of the liquid mass of the first side of the cell is a liquid drain unit, the second - the source. Thus, each cell corresponds to an elementary magnet, the sides of which are covered respectively with equal amounts of north and south magnetism." Section 3.6 shows the mechanical model of "how single cells in the fluid motion can present the polarity of the elementary magnets". Thus, the study allows us to solve the main issue, so agitated Maxwell and justify the mechanical nature of magnetism. Indeed maxi- sources and drains maxi- form on the surface of the metal cylinder from the South Pole (S) - a source of liquid, and on the opposite surface from the North Pole (N) - Drain liquid. That is "the whole free magnetism on the surface", as required in accordance with the views of Faraday and Maxwell. In section A-A shows the direction of longitudinal movement and rotation of the annular stream ether maxi-sources and maximum effluent formation mechanism which is presented in section 3.6.

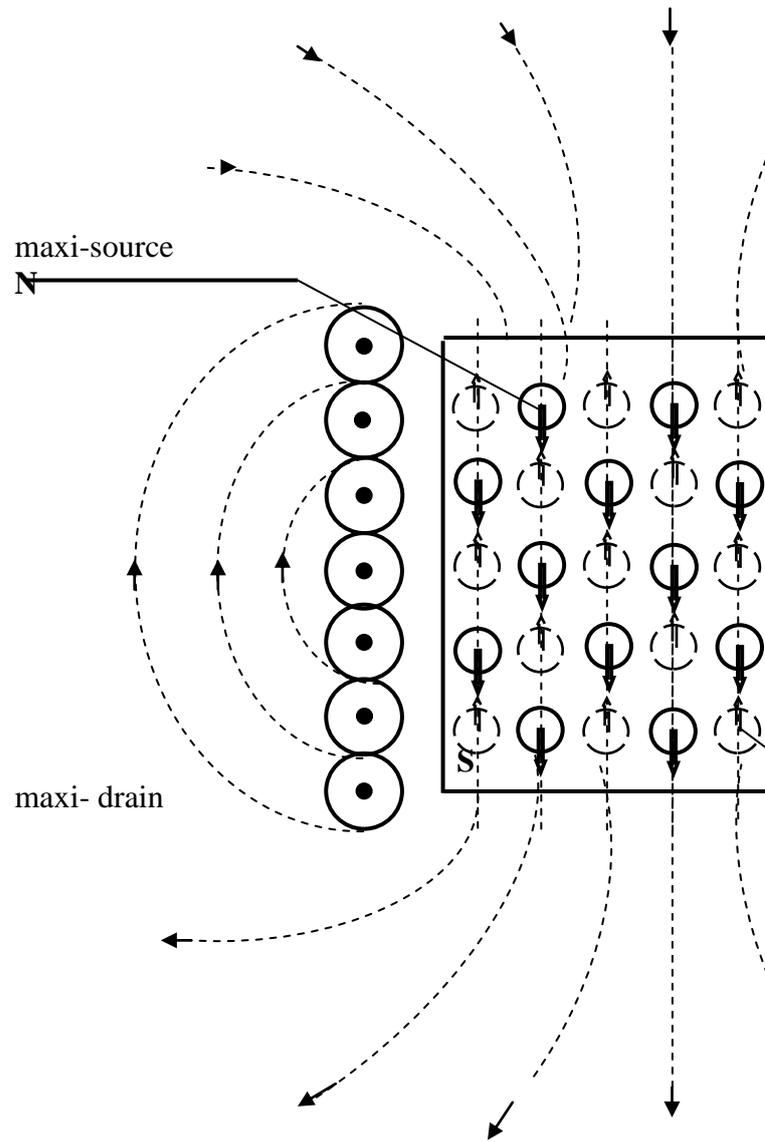
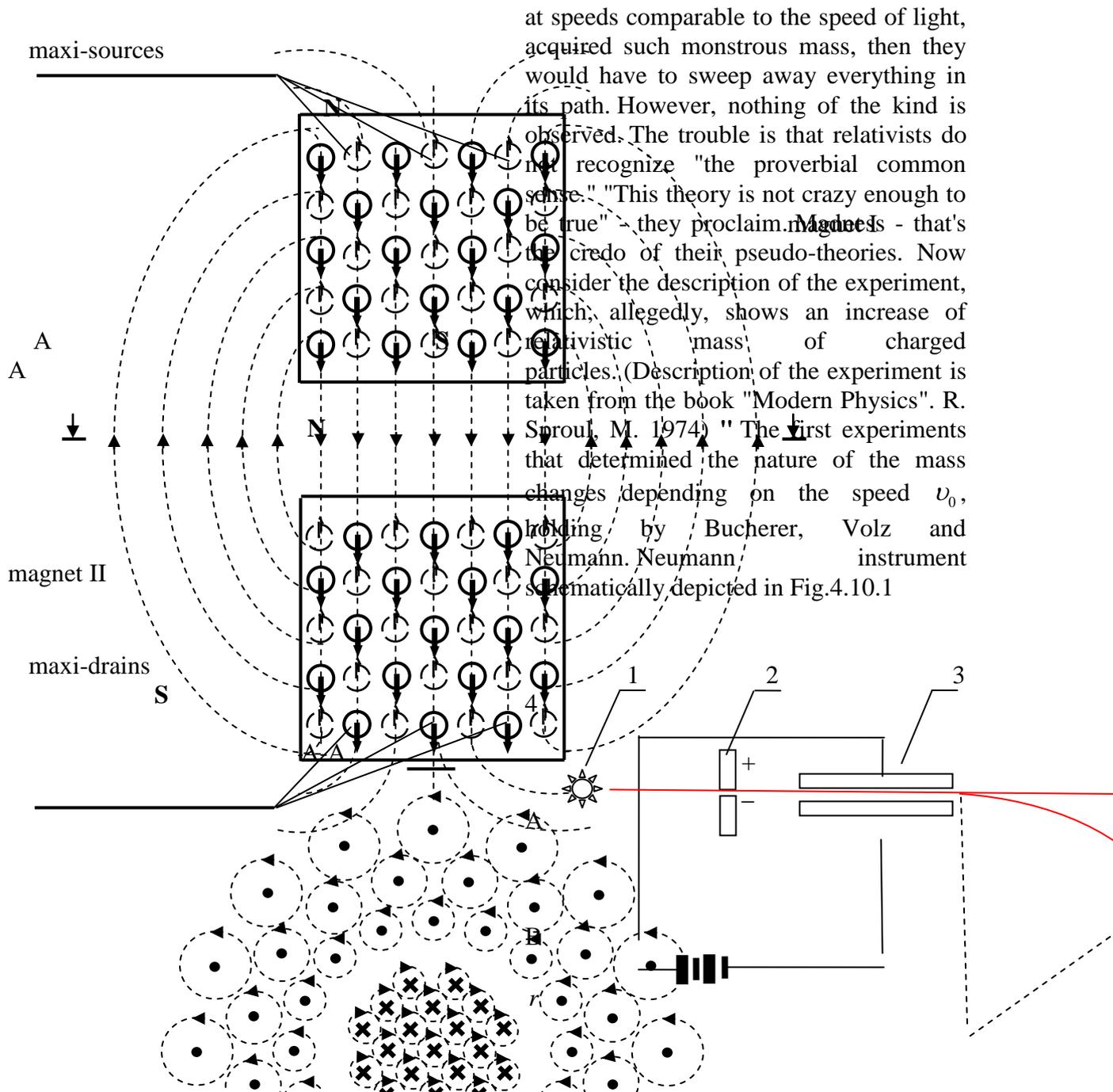


Fig. 4.9.1



at speeds comparable to the speed of light, acquired such monstrous mass, then they would have to sweep away everything in its path. However, nothing of the kind is observed. The trouble is that relativists do not recognize "the proverbial common sense." "This theory is not crazy enough to be true" - they proclaim. **Magnets** - that's the credo of their pseudo-theories. Now consider the description of the experiment, which, allegedly, shows an increase of relativistic mass of charged particles. (Description of the experiment is taken from the book "Modern Physics". R. Sproul, M. 1974) "The first experiments that determined the nature of the mass changes depending on the speed v_0 , holding by Bucherer, Volz and Neumann. Neumann, instrument schematically depicted in Fig.4.10.1

Fig. 4.9.2

4.10 The increase in relativistic mass - the result of misinterpretation of the experiment

Let us turn to modern views on the merits of the issue. Common sense dictates that if in space experiments and streams of charged and uncharged particles, moving

Fig. 4.10.1
 • B the magnetic induction vector directed perpendicular to the picture plane from the observer. The two parallel electrodes 3 disposed at a distance d , Summed up the voltage V . Radium source 1 emits electrons from the charge e of high energy. The photographic plate 4 displays electrons hitting places. In the device a vacuum. In the absence of electric and magnetic fields, electrons flying in the screen aperture 2 fall on the photographic

plate at the point A (equal to several hours of exposure). Then the superimposed electric and magnetic fields. Electrical and magnetic forces are oppositely directed, and therefore creates a velocity selector. Any electron passing through the selector device should have a relatively rate

$$v_0 = \frac{V}{Bd} \quad (4.10.1)$$

Once the electrons exit from the velocity selector, they are under the influence of a magnetic force a constant equal to

$$F = ev_0B \quad (4.10.2)$$

and directed perpendicular to the velocity v_0 . That's why accelerating F/m constant in magnitude and directed perpendicular to the v_0 . Just under this condition the electron orbit is a circular arc. Movement of a circle of radius r requires centripetal acceleration v_0^2/r , Constant in magnitude and everywhere perpendicular to the path. Consequently,

$$F = mv_0^2/r = ev_0B \quad (4.10.3)$$

From whence

$$r = \frac{mv_0}{eB} \quad (4.10.4)$$

However, experiments have shown the more voltage was applied and the magnetic field was applied, i.e., at a higher speed than the electrons were selected, the greater the radius of deflection of the electrons in the experiments of the theoretical calculation. The impression was that the electron mass begins to increase rapidly with increasing speed. This fact took advantage of relativists,

entering fit unfounded correction factor $\gamma = 1/(1 - v_0^2/c^2)^{1/2}$ in Equation 4.10.4 for allegedly justify the theory of relativity. That is, taking into account the "relativistic correction factor", we get:

$$r = \frac{mv_0}{eB\sqrt{1 - v_0^2/c^2}} \quad (4.10.5)$$

When it comes to slowing or decreasing the length of time in moving reference systems, application coefficient $\gamma = 1/(1 - v_0^2/c^2)^{1/2}$ SRT settles in at least absurd terminal of the Lorentz transformation. But what to stations can have the correction factor for the increase in the mystical moving mass of particles? It is not clear and is not justified - the purest fabrication. Consider the same experiment with the application of research results Faraday-Maxwell mechanical model of interaction. In reality, however, has been found in the research section 4.10, decreases the total force acting on the charged particles in a magnetic field with an increase in the speed of their movement, not weight.

We write the equation for the source - electron applied to the conditions of the experiment.

$$F_{\Sigma\hat{e}\hat{i}} = -0,5k\pi^2\rho_y R_e \alpha_{e\hat{e}} \sqrt{v_i^2 + v_a^2} \sqrt{1 - \frac{(\omega_{\Sigma\hat{e}\hat{a}} - \omega_a \tilde{n}os\varphi)^2}{\omega_{\hat{e}\hat{e}}^2}} = r \quad (4.10.6)$$

from whence

$$r_e = -\frac{0,5k\pi^2\rho_y R_e \alpha_{e\hat{e}} \sqrt{v_i^2 + v_a^2}}{m_e v_{\Sigma\hat{e}\hat{a}}^2} \sqrt{1 - \frac{(\omega_{\Sigma\hat{e}\hat{a}} - \omega_a \tilde{n}os\varphi)^2}{\omega_{\hat{e}\hat{e}}^2}} \quad (4.10.7)$$

Similarly, an equation for Photo

$$r_c = \frac{0,5k\pi^2\rho_y R_n a_{n\hat{e}} \sqrt{v_i^2 + v_a^2}}{m_c v_{\Sigma\hat{n}\hat{a}}^2} \sqrt{1 - \frac{(\omega_{\Sigma\hat{n}\hat{a}} - \omega_a \cos\varphi)^2}{\omega_{n\hat{e}}^2}} \quad (4.10.8)$$

From equations (4.10.7) and (4.10.8), it follows that with increasing speed \bar{v}_i increasing the magnitude of the angle $\angle\varphi$ and the force acting on the charges reduced. In the limit, when $\angle\varphi \rightarrow 90^0$, This force tends to zero. As it is observed in the experiments. The results of this study make it possible to expose the failure of Einstein's scientific speculation about the dependence of the mass of charged particles from their relativistic speeds. In reality, as evidenced by the results of this study, the velocity decreases with increasing value of the total force acting on the charged particle in a magnetic field.

4.11 Resolution reasons for the paradoxical nature of modern electrodynamics

The article: "Modern electrodynamics and reasons for its paradoxical" - GV Nikolayev writes:

"Any theory, no matter how perfect it may be, will never exclude the possibility of its further improvement. The value of a physical theory is determined, above all, the scope of its practical applicability. With reference to the well-known theory of electromagnetism, in the framework of modern concepts in electrodynamics, the question of the applicability of the theory of general practice, of course, cannot be doubted. However, despite the seemingly endless field of practical applicability of the modern theory of electromagnetism and the tremendous achievements of science and technology in these areas to date accumulated a significant amount of electrodynamics phenomena of electromagnetism that modern theory cannot give consistent and correct explanations. That is, in the long process of practical development of the laws of electromagnetism, which were identified as part of the well-known theory, humanity is faced with the phenomena of electromagnetism, which has clearly gone beyond the modern theory. The appearance

of such paradoxical from the point of view of the existing phenomena of the theory of electromagnetism is completely natural and just proves, on the one hand, the limitations of the existing theory of electromagnetism, and on the other hand, the need for further improvement. Therefore, to understand the reasons for the paradoxical nature of modern electrodynamics, contact, first of all, to analyze the substance of the undeservedly forgotten paradoxical phenomena of electromagnetism which were already known in the times of Ampere and found now in many experimental observations. The number of such complementary observations already accumulated enough so that you can make them quite definite conclusions. In addition to the famous observations of "strange" magnetic interactions author posed a series of special experiments that reveal the actual physical nature of the so-called "paradoxical" effects of electromagnetism. Below is a description found in numerous experiments "strange" magnetic interaction forces, correct explanation that in the framework of the modern theory of electromagnetism cannot be found. "so you can make them quite definite conclusions. In addition to the famous observations of "strange" magnetic interactions author posed a series of special experiments that reveal the actual physical nature of the so-called "paradoxical" effects of electromagnetism. Below is a description found in numerous experiments "strange" magnetic interaction forces, correct explanation that in the framework of the modern theory of electromagnetism cannot be found. "so you can make them quite definite conclusions. In addition to the famous observations of "strange" magnetic interactions author posed a series of special experiments that reveal the actual physical nature of the so-called "paradoxical" effects of electromagnetism. Below is a description found in numerous

experiments "strange" magnetic interaction forces, correct explanation that in the framework of the modern theory of electromagnetism cannot be found. "Below is a description found in numerous experiments "strange" magnetic interaction forces, correct explanation that in the framework of the modern theory of electromagnetism cannot be found. "Below is a description found in numerous experiments "strange" magnetic interaction forces, correct explanation that in the framework of the modern theory of electromagnetism cannot be found. "For a correct explanation of the physical nature of a series of "strange" results of the experiments, when passing current through conductors, consider the third experience of G.V. Nikolaeva, whose scheme is shown in Fig. 4.11.1.

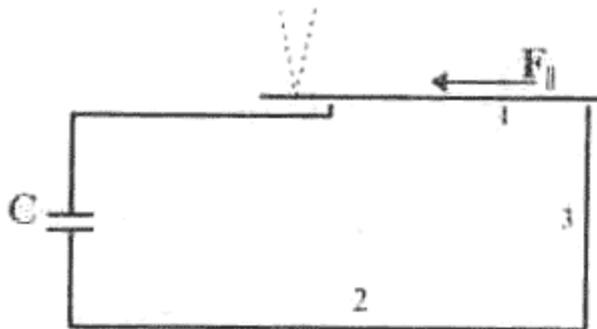
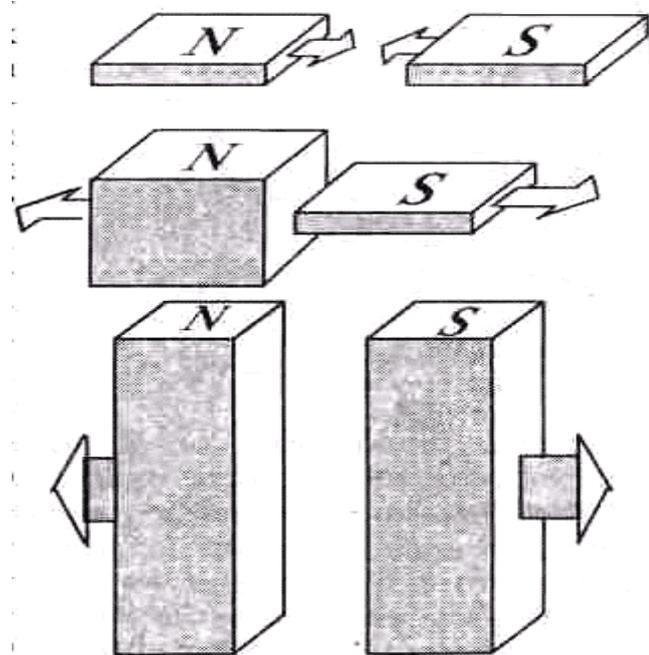


Fig.4.11.1

We give description of the experience: "To demonstrate the feasibility of the laws of mechanics the interaction elements perpendicular rectilinear movable current conductor 1 is placed on the suspension at a distance of 2-4 mm from the remaining conductors of rectangular contour. The capacitance C is charged up to 10-20 kV. In the breakdown of the gaps between the movable conductor 1 and the movable conductor circuit conductors comes into translational motion along the direction of

current stream therein in the direction acting on it longitudinal force F_{\parallel} . The transverse force F_{\perp} reaction from the movable conductor 1 are attached to the side conductor circuit 3'. 3.7 The study helps explain the observed in this experiment results. Indeed, as was found in a study on the conductor, during the passage of current thereto, a force directed in the direction of current movement. Therefore, "the conductor comes into translational motion along the direction of current stream therein in the direction acting on it longitudinal force F_{\parallel} ». This explanation applies to the entire series of experimental observations in the interaction of current-carrying conductors.

For a correct explanation of the physical nature of a series of "strange" results of the experiments, the interaction of magnets, consider the 35-rd of experience G.V. Nikolaeva, whose scheme is shown in Figure: 4.11.2.



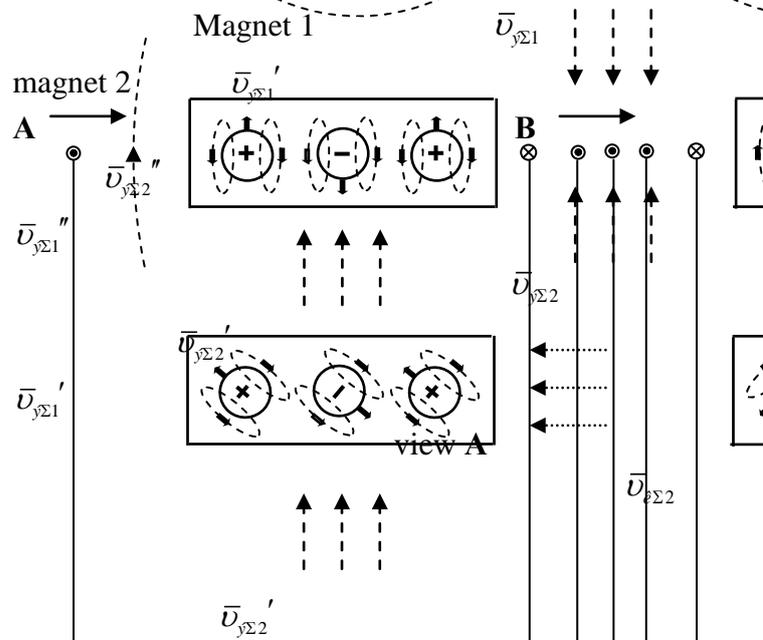
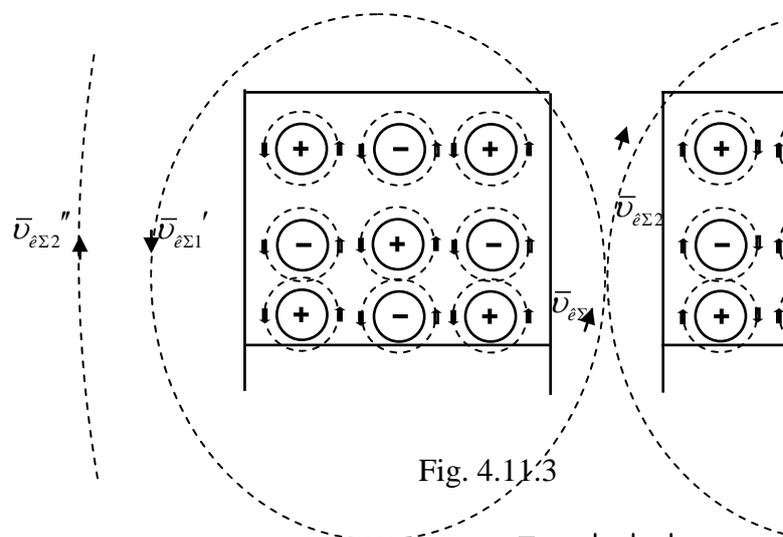
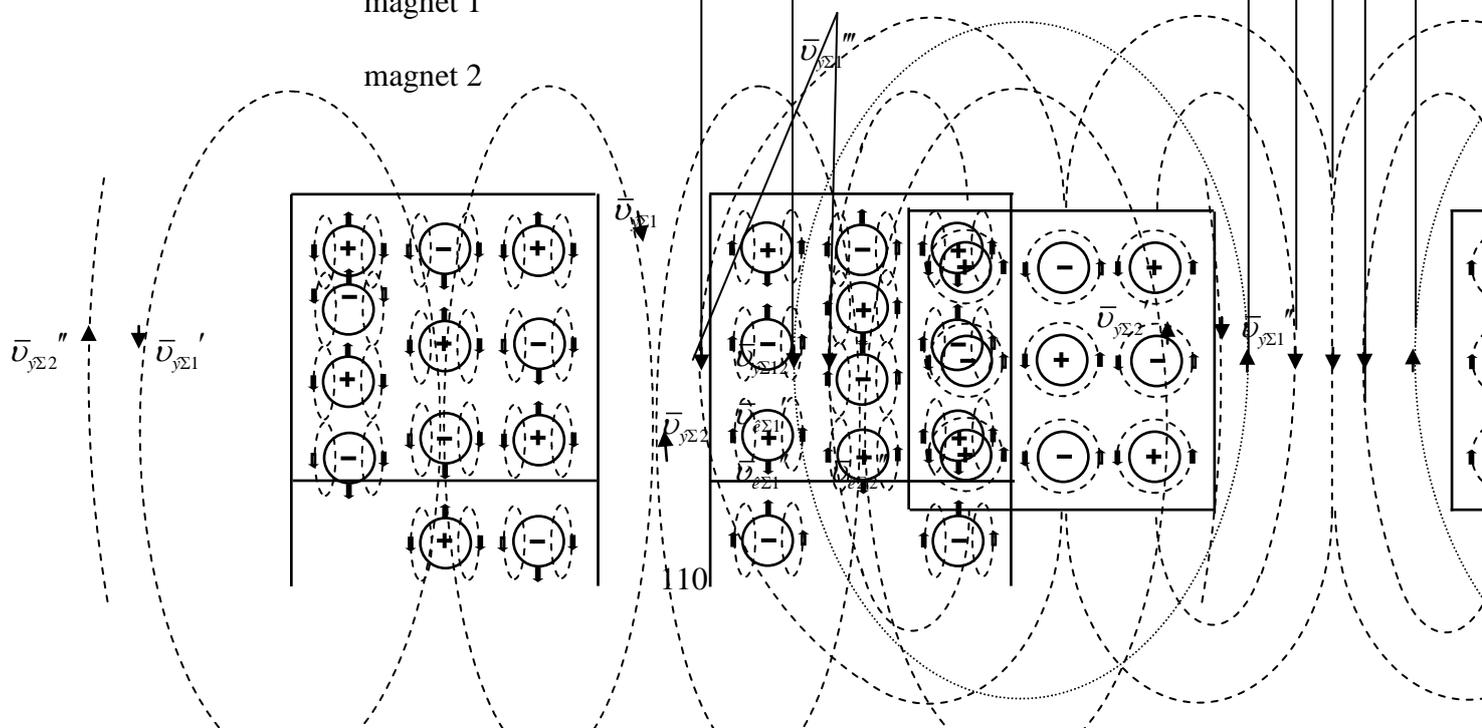
F

ig.4.11.2

We give description of the experience: "Two are located on one plane of rectangular magnets with unlike poles are attracted to each other. When approaching the magnet force of attraction increases and reaches its maximum value at full convergence of adjacent sides. If one of the magnets above and below to make another 6-8 of the magnets, the force of attraction between a magnet and a single compound increases. However, the approach of the magnets of the magnetic attraction force between them first increases and then decreases and becomes a repulsive force. Calculations show that with a significant number of magnets in the two component magnets with magnetic fluxes in different directions (for sufficiently long magnetic cores) magnetic force interaction between such magnets is now only the repulsive force, instead of the original attraction. Analogous conclusions can also come in if the two considered sufficiently long magnetic rod with a similarly directed magnetic flux in them as two separate elements interacting toroids sufficiently large dimensions. Similar phenomena have magnetic interaction observed for equivalent sufficiently long solenoids with unidirectional magnetic flux therein. In the calculations must take into account the interaction of the currents of some circuits with other vector potential."

magnet 1

magnet 2



$\bar{v}_{e\Sigma 2}'$

. 4.11.4

Research 3.6, 3.7 and 4.9 make it possible to justify observed in this experiment results. Consider first the model of interaction between the magnets, shown in Figure 4.11.3. The figure shows the structural components of the substance in the form of elongated magnets maximum sources with the sign (-) and maximum effluent with the sign (+). total stream of ether also shows the emitted and absorbed by Maxi sources and maximum runoff. According to the study 4.9 maximum sources vertically arranged magnets and maximum constitute vertically orienting drains chain. And, the greater the chain length, the faster the stream elliptic ether will pass through it, since the rates of the individual sources and maximum maximum drains forming a chain, are folded together in an elliptic total flow. In cross-section the magnets having annular streams total ether whose speed is independent of the length of the magnets.

In Figure 4.11.3 following notation for the total ether flow:

$\bar{v}_{y\Sigma 1}$ - Vector elliptical total stream rate ether magnet 1 disposed between the magnets;

$\bar{v}_{y\Sigma 2}$ - Vector sum elliptical magnet ether stream rate of 2 disposed between the magnets;

$\bar{v}_{y\Sigma 1}'$ - Vector sum elliptical ether magnet stream rate of 1 located on the left of one magnet;

$\bar{v}_{y\Sigma 2}''$ - Vector sum elliptical half current ether speed magnet 2 disposed on the left of one magnet;

$\bar{v}_{y\Sigma 2}'$ - Vector sum elliptical magnet ether stream rate of 2 to the right of the magnet 2;

$\bar{v}_{y\Sigma 1}''$ - Vector elliptical total stream rate ether magnet 1 disposed to the right of the magnet 2;

$\bar{v}_{e\Sigma 1}$ - Vector ether total circumferential velocity of the magnet 1 disposed between the magnets;

$\bar{v}_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate of 2 disposed between the magnets;

$\bar{v}_{e\Sigma 1}'$ - Vector of total ether circular magnet stream rate of 1 located on the left of one magnet;

$\bar{v}_{e\Sigma 2}''$ - Vector sum circular magnet ether stream rate of 2 to the left of one magnet;

$\bar{v}_{e\Sigma 2}'$ - Vector sum circular magnet ether stream rate of 2 to the right of the magnet 2;

$\bar{v}_{e\Sigma 1}''$ - Vector ether total circumferential velocity of the magnet 1 to the right of the magnet 2.

Then, when:

$$|\bar{v}_{y\Sigma 1} - \bar{v}_{y\Sigma 2} + \bar{v}_{e\Sigma 1} + \bar{v}_{e\Sigma 2}| < |\bar{v}_{y\Sigma 1}' - \bar{v}_{y\Sigma 2}'' + \bar{v}_{e\Sigma 1}' - \bar{v}_{e\Sigma 2}''| = \bar{v}_{y\Sigma 2}'$$

- Magnets will repel, as the pressure between the magnets is greater than the pressure on the left and right sides. As rightly pointed G.V. Nikolaev - "in the calculation should take into account the interaction of the currents of some circuits with other vector potential." However, when a sufficiently long ring magnets influence of streams of one magnet to the other can be neglected. Which in any case should not be allowed in the interaction of relatively short magnets, as will be shown below. Now consider the model of the interaction of the magnets shown in Figure 4.11.4. The figure shows two short magnets 1 and 2 as well as the total ether

vectors fluxes acting on the magnet. In Figure 4.11.4 following notation for the total ether flow:

$\bar{v}_{y\Sigma 1}$ - Vector elliptical total stream rate ether magnet 1 disposed between the magnets;

$\bar{v}_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate of 2 disposed between the magnets;

$\bar{v}'_{y\Sigma 1}$ - Vector elliptical total stream rate ether magnet 1 acting directly on the magnet 2;

$\bar{v}'_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate 2 acting directly on the magnet 1;

$\bar{v}''_{y\Sigma 1}$ - Vector of total ether elliptical stream velocity of the magnet 1, the current right of the magnet 2;

$\bar{v}''_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate 2 acting on the left of one magnet;

$\bar{v}_{e\Sigma 1}$ - Vector ether total circumferential velocity of the magnet 1, the current right of the magnet 2;

$\bar{v}'_{e\Sigma 1}$ - Vector sum circular magnet ether stream rate 2 acting on the magnet 1 on the right;

$\bar{v}'_{e\Sigma 1}$ - Vector of total ether circular magnet stream rate of 1 acting on the left of one magnet;

$\bar{v}'_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate 2 acting to the right of the magnet 2;

$\bar{v}''_{e\Sigma 1}$ - Vector of total ether circular magnet stream rate of 1, the current right of the magnet 1;

$\bar{v}''_{e\Sigma 2}$ - Vector sum circular magnet ether stream rate 2 acting on the left of magnet 2;

$\bar{v}_{y\Sigma 12}$ - Vector elliptical total stream rate ether magnets 1 and 2, located between the magnets;

$\bar{v}'''_{y\Sigma 1}$ - Vector sum elliptical ether magnet stream rate of 1 located on the left of one magnet;

$\bar{v}'''_{y\Sigma 2}$ - Vector sum elliptical magnet ether stream rate to the right of the magnet 2.

According to the study 4.7 under the influence of the total velocity vector stream ether $\bar{v}_{e\Sigma 2} + \bar{v}'_{y\Sigma 2}$, Maxi- sources drains and maximum turn of the magnet 1, as shown in view **A** and maxi- sources and drains maxi- magnet 2, under the influence of the total velocity vector stream ether $\bar{v}_{e\Sigma 1} + \bar{v}'_{y\Sigma 1}$, fall down, as shown in view **B**.

Then,

when:

$$\left| \bar{v}_{y\Sigma 1} - \bar{v}_{y\Sigma 2} + \bar{v}_{y\Sigma 12} - \bar{v}''_{e\Sigma 1} - \bar{v}''_{e\Sigma 2} \right| > \left| \bar{v}'_{e\Sigma 1} + \bar{v}_{y\Sigma 1} - \bar{v}_{y\Sigma 2} \right| = \bar{v}'_{e\Sigma 2}$$

-

magnets will be attracted because the pressure between the magnets is less than the pressure on the left and right sides of the magnets. This case corresponds to the magnets remote from each other.

If the magnets begin to converge, the elliptic stream of the sum of ether $\bar{v}'_{y\Sigma 1}$ and $\bar{v}'_{y\Sigma 2}$ will increase, at constant circular streams ether $\bar{v}_{e\Sigma 1}$ and $\bar{v}_{e\Sigma 2}$. This convergence will lead to the fact that:

$$\left| \bar{v}_{y\Sigma 1} - \bar{v}_{y\Sigma 2} + \bar{v}_{y\Sigma 12} - \bar{v}''_{e\Sigma 1} - \bar{v}''_{e\Sigma 2} \right| < \left| \bar{v}'_{e\Sigma 1} + \bar{v}_{y\Sigma 1} - \bar{v}_{y\Sigma 2} \right| = \bar{v}'_{e\Sigma 2}$$

In this case, the magnets will repel as between the magnets the pressure will be greater than the pressure on the left and right sides of the magnets.

The results fully correspond to the experimental data obtained by GV Nikolaev, other researchers and can justify the mechanical nature of previously unexplained "paradoxical, strange phenomena of electromagnetism."

4.12 Anti-gravity. John Searle levity disc

In a study of 3.6 already mentioned about the mysterious rotating disks in the experiments of Paul Baumann ("Testatika"), G.V. Nikolaev from Tomsk (Electric Motor "Siberian Kolya") levitating drives John Searle, the rotating rotor Muscovites Vladimir Roshchin and Sergey Godin. They all have the same nature of physical interactions. Referring first to describe the experience of the discoverer of the phenomenon John Searle." there was a dramatic life of John Searle - the man who discovered the effect named after him, and built a model of flying saucers, called the Searle Levity Disc.

At the age of 14 years Searle an apprentice electrician at the plant in the English city of Birmingham. Working with permanent magnets for electric meters, it is in 1946 has opened the new electromechanical effect: in a rapidly rotating disk appeared radial electromotive force with a vertical vector. To increase this effect, it first magnetizes the disc, and then began to use permanent magnets. It had a lot of ups and downs: it is allowed to experiment, it was forbidden, because of the danger of experiments. Once he was a model consisting of multiple rings connected together, experienced in the yard. Even at low speed in the radial direction of the rings appeared a large potential difference, as manifested by the characteristic electrical discharges cod and the smell of ozone. And then there was quite unusual: rings block broke away from the untwisting of motor and hovered at a height of 1.5 meters, is constantly increasing the speed of rotation. Around the rotating object appeared pink glow - index of ether activation at a pressure drop. The object began to rise. Another side effect of this process turned out to be the cessation of radio and turn off the radio

in the neighborhood. Finally, the rotation has reached such a fantastic rate that the object quickly disappeared from sight in the sky. Inspired by their results, with Searle in 1950 for 1952, he set up and tested more than a dozen models of levitating discs. Later he learned to manage the "acceleration" of these drives. And self-recognition of the novelty of his discoveries, he is in 1963 city of sent invitations to the presentation of its model "flying saucer" in the Royal House and the supreme ministerial ranks. But no one did not respond to invitations. Discouraged by Searle for a while I calmed down, but in 1967 has addressed to the British scientist, but they only made fun of "ignoramus-electrician". As it turned out, and there was showed the well-known biblical saying: "There is no prophet in his own country." Oddly enough, the recognition by the inventor has come from abroad. First, from the Japanese, but much later and scientists from other countries. But in 1968, there was an event that is likely to permanently bends Searle on his scientific research. 30 July of that year he had the machine "P-11", weighing about 500 kg. In a demonstration of the machine again stopped and operated for 3 minutes out of sight in the sky. Authorities promptly "respond" to this event.

The local power company filed inventor disproportionately large expense for the use of electricity as much for ... 30 years, although Searle had its own power plant. Since he was unable to pay a huge sum, then he was arrested, tried and jailed for 15 months. At the same time, all the equipment and instruments destroyed, but the house burned. In the 80 years of Searle was a lot of noise in the press as the "father of flying saucers." But then, as if came from someone new team and all the talk about it is definitely talented inventors have stopped. " / G.V. Nikolaev sds-max.com.ua/ Here's to you and once the

destruction of works of a talented inventor of the world inquisition pseudoscientific fraud. Now back to the subject under discussion. In a study of the interaction of 3.7 spherical sources and drains with a uniform stream of ether. Solutions 3.8.9 and 3.8.10 equations allow us to establish that the reaction of the source with uniform stream ether having axial forces acting on the source, coinciding with the direction of ether flow. In this regard, under the action of these forces, the source will be moved from right to left, i.e. in a direction coinciding with the direction of ether flow. Solutions of equations 3.8.11 and 3.8.12 allow establishing that the reaction stream with uniform stream ether having axial forces acting on the stream in the direction opposite to the stream of ether. In this regard, under the action of these forces, the stream will move from left to right, i.e. in a direction opposite the direction of ether flow. Earth is a drain (see Study 4.2 drawings 4.2.12 - 4.2.14). Therefore ether streams will be directed to the outside surface of the Earth. Then, in accordance with the conclusions of the study 3.7, the interaction of ether stream with a rotating disk - a sink, the forces acting on the disc, will be directed by the Earth's surface, that is, there will be a lift. The forces acting on the disc increases with the number of maxi- waste and maximum springs, oriented along the axis of the disk. As a result, this increases the speed of reorientation $\bar{v}_{\bar{n}e}$, that is the influence of reactive leads to an increase in the disk rotation speed - $\bar{\omega}_{\bar{n}}$. The increase in the angular rotation speed of the disk is significantly affected by the rotational speed and the total ether translational stream tubes - $\bar{\omega}_a$ (See Study 3.9). Upon reaching a certain speed of disc rotation comes a moment of spontaneous acceleration, already independent of the initial cranking. In consequence of which the disc rotates with ever increasing speed,

which leads to an increase in lift and a disc rushes in height towards the oncoming stream which further increases its rotational speed by increasing the free-stream velocity. Based on the study 3.7 (equation 3.8.9 and 3.8.10), we can conclude that when the disc rotates - the source, the picture will be diametrically opposed. Rotating disc will tend to cling to the earth. The surrounding nature of the phenomena observed in the experiments Dzhona Serlya and other similar experiments, are quite common. And during the rotation of galaxies and stars and planetary bodies; and the electrons move, cations, anions, and so on. The study results shed light on the resolution with mechanical models of the problem of interaction of rotating physical objects not previously finding an explanation of the mysterious phenomenon of nature.

4.13 Experience of Michelson – Morley

Initially, provide a description of the experiment of Michelson - Morley and attempts to present the current results of its study:

"We have already said that in the past, attempts were made to determine the absolute velocity of the Earth through the imaginary" ether, "which was thought then permeates the entire space. The most famous of these experiments done in 1887 by Michelson and Morley. But after 18 years the negative results of their experience Einstein explained. For the experiment of Michelson - Morley used the device, whose scheme is shown in Fig. 4.13.1 The main part of the device: illuminant A translucent silvered glass plate B, two mirrors C and E. This is rigidly consolidated at heavy plate. Mirrors C and E were placed at the same distance L from the plate B. The plate splits the incident beam of light into two perpendicular to one another; they are directed to the mirrors and are reflected

back to the plate B. After passing again through the plate in both the beam overlap (D and F). If the passage of light B to E and back equal transit time from B to C and back again, the emerging beams D and F will be in phase and mutually intensify; if those days are a little different, then beams a phase shift occurs and, as a consequence, - interference. If the device is in the ether "at rest", while exactly equal, and if he moves to the right with a speed **and** then will be the time difference. Let's see why.

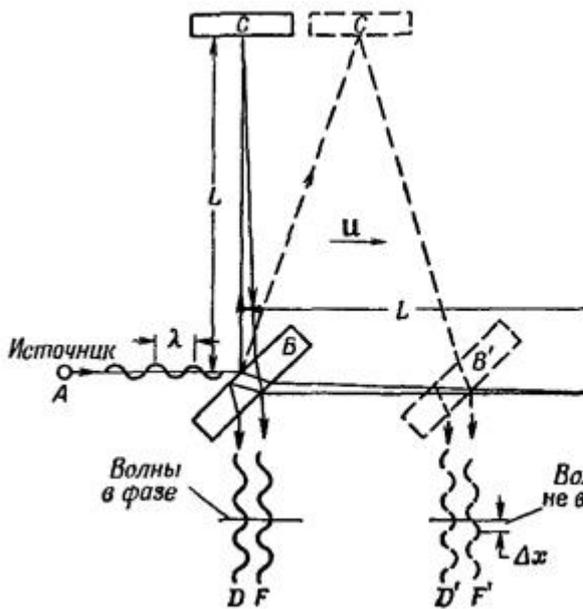


Figure: 4.13.1

First we calculate the light transit time from B to E, and vice versa. Let the "there" is t_1 , and the "back" is t_2 . But as long as the light moves from B to the mirror, the device itself will go a distance ut_1 , so that the world will have to go all the way $L + ut_1$ with velocity. This path can therefore be denoted as a and ct_1 , therefore, $ct_1 = L + ut_1$ or $t_1 = L / (c - u)$ (This result is evident if one considers that the speed of light in relation to the device is a - u; whereas time period equal to the length L, divided by the (with - u). Similarly, we can calculate and t . During this time, the plate in the approach to a

distance ut_2 , so that the light on the way back, will have to pass only $L - ut_2$.

Then $ct_2 = L - ut_2$ or $t_2 = L / (c + u)$

The total time is equal to $t_1 + t_2 = 2Lc / (c^2 - u^2)$;

It is more convenient to record a

$$t_1 + t_2 = \frac{2L/c}{1 - \epsilon^2/\tilde{n}^2} \quad (4.13.1)$$

And now calculate how much time t_3 , the light will come from the plate to the mirror At S. As before, in the time t_3 Mirror With moves to the right at a distance ut_3 (to the position C), and the light will pass through the hypotenuse BC distance ct_3 . Of the right-angled triangle should be

$$(ct_3)^2 = L^2 + (ut_3)^2,$$

or

$$L^2 = c^2 t_3^2 - u^2 t_3^2 = (c^2 - u^2) t_3^2,$$

where

$$t_3 = L / \sqrt{(c^2 - u^2)}$$

When you walk from the back light point S` have to go the same distance; It is evident from the symmetry of pattern. Hence, the return of the same time (t_3) and the total time equal to $2t_3$. We write it in the form of

$$2t_3 = \frac{2L}{\sqrt{c^2 - \epsilon^2}} = \frac{2L/c}{\sqrt{1 - \epsilon^2/\tilde{n}^2}} \quad (4.13.2)$$

Now we can compare both times. Numerators in (4.13.1) and (4.13.2) are the same - it is the time of propagation of light in a stationary device. As a member of the denominators u^2 / c^2 is small, if only with a lot less. The denominators of these show how changes over time due to the motion of the device. Note that these changes are not identical - the passage of light to C and back to slightly less than the transit time

through E and back. They are not the same, even if the distance between the mirror and in the same. We can only accurately measure the difference. Here there is one technical subtlety: but if the length L is not exactly equal to each other? Indeed, the exact equality still never achieve. In this case, you just have to turn the instrument on 90 °, the placing on the movement of the sun, a BE - across. The difference in the lengths of time ceases to play a role, and it remains only to observe the shift of interference fringes when the device is rotated. During the experiment, Michelson and Morley have positioned the instrument so that the segment BE turned parallel to the movement of the Earth's orbit, but (at a certain hour of the day or night). The orbital speed is about 30 km / sec, and the "demolition of the ether" at certain hours of the day or night and at certain times of the year should reach this value. The instrument was sensitive enough to notice this phenomenon. But no difference in the times was not found - the Earth's speed through the ether was impossible to detect. The result was zero experience. It was mysterious. This is alarming. First fruitful idea how to get out of the impasse has put forward Lorentz. He admitted that all the material of the body when driving is compressed, but only in the direction of travel. Thus, if the length of a body at rest has L_0 length of the body, moving with velocity u (call it $L_{||}$, where the symbol $||$ indicates that the motion occurs along the length of the body), is given by

$$L_{||} = L_0 \sqrt{1 - \frac{u^2}{c^2}}$$

(4.13.3)

If this formula applied to a Michelson interferometer - Morley, the distance from B to C will remain unchanged, and the distance from B to E shortened to $L\sqrt{1 -$

$\frac{u^2}{c^2}$). Thus, equation (4.13.2) does not change, but L in equation (4.13.1) changes in accordance with (4.13.3). As a result, we get

$$t_1 + t_2 = \frac{2L/c \sqrt{1 - \frac{u^2}{c^2}}}{1 - \frac{u^2}{c^2}} = \frac{2l/c}{\sqrt{1 - \frac{u^2}{c^2}}}$$

(4.13.4)

Comparing this with (4.13.2), we see that now $t_1 + t_2 = 2t_3$. Therefore, if the device is really reduced, as we have suggested, it becomes clear why the experience of Maykelson - Morley gave no effect. Although the hypothesis of reducing successfully explained the negative result of the experience, it was very vulnerable to the accusation that its sole purpose - to get rid of the difficulties in explaining the experience. It was too artificial. However, similar problems arise in other experiments to detect another wind. In the end, it seemed that nature has entered a "conspiracy" against the man that she resorted to conspiracy and now and then introduces some new phenomena to nullify each measurement u ". [allfizika.com > article / the_index.php?id_article=119](http://allfizika.com/article/the_index.php?id_article=119)

Lorentz transformation - an elementary task of propagation of waves in a material medium, the solution of which is not difficult for any high school student. Lorentz transform is recorded with respect to a light wave propagating in a stationary air, in accordance with Huygens wave theory of light propagation, being in contradiction with the corpuscular Newtonian theory. Michelson and Morley had a crucial experiment to test these theories and found that the wave theory contradicts the results of the experiment, while the Newtonian corpuscular theory is in full accordance with the received data. It would seem that once again triumphed

Newtonian worldview and the issue was settled once and for all. But nothing of the kind! The negative result of the Michelson-Morley experiment, unexpected for the authors, demanded an explanation. Extended H.A. Lorenz absurd hypothesis in the direction of movement in the ratio of the size reduction of the moving body $1/\sqrt{1-v^2/\bar{n}^2}$, for the salvation of the fashion at the time of the wave theory, due to what could be compensated for the difference in the path of rays, served as the basis for the withdrawal of relativistic transformations. "Incompetent in philosophical and scientific thought / by definition Newton / 'clerk Albert Einstein Patent Office (and, possibly, according to some, his wife Mileva Maric), in the" stupidity and absurdity ", went even further. It took him not only a reduction in the length, but also slowing down time. However, this folly was not enough, he postulated independence of the propagation velocity of motion of the light source and the receiver of light waves. And, since it was impossible to imagine a material medium in which light waves can propagate such an amazing mystical way as instructed Acad. A.F. Ioffe, "along with those of physics thrown in the ether was the same weed basket of history." That is, it was ejected material medium in which the waves could be disseminated. But if there is an environment in which we could spread light waves, then the Lorentz transformation, emanating from the presence of the medium on which the relativistic theory, lose all meaning and, consequently, the relativity theory simply suggests "in the same weed basket of history" ether instead. And it was not enough! A.I. Joffe and his comrades thrown "into the same basket weed stories" everything to Einstein's scientific and philosophical outlook! In this regard, a world-renowned scientist William Macmillan wrote: "We, the present generation, too impatient to wait for

anything ... after trying Michelson to detect the expected motion of the Earth relative to the ether, we have given up everything we were taught before, created a postulate the most senseless of all, we were only able to come up with and created a non-Newtonian mechanics, consistent with this postulate. The success achieved excellent tribute to our mental activity and our wit, but there is no assurance that our common sense. " Despite the attempts of Einstein and its apologists today the collapse of relativistic subconscious has no one in doubt and a return to the materialist dialectic views becomes obvious. On this occasion, Professor V.V. Cheshev writes: "... study the Lorentz model and the Einstein model for the physical justification for the Lorentz transformations are equally ephemeral. It seems to me that the debate should not focus on the longer distance traveled oppositions Lorentz model, the Einstein model. We need a search of the third way, for this would be followed, including the appeal to the ideas of the Ritz, forgotten because of the dogmatic worship of Einstein's model. The search for alternative ways of building electrodynamics actually never stopped. On this quest, we do not know only for the reason that the orthodox science puts an impassable barrier to such research to journals and publishing houses. Just open the possibility of publishing nonrelativistic work to get ready-made electrodynamics, which will eliminate the problem hopeless, for the sake of a phantom solution of which need either a little or a lot of both "restructure their thinking." Everything is very simple. We need to unaccustomed to penetrate into his house through the chimney, allowed to come to the door, which they so tenaciously guarded by wanting to touch the front handle. Then it turns out that the door was not locked, and the habit of climbing into the pipe just an amusing oddity. Protective **ban on alternative - that's the reason ...** " ! In

fact, everything is very simple. According to the classical laws of Newtonian corpuscular optics, due to the fact that the light source, a translucent plate, interferometer mirrors and remain stationary relative to each other, the installer turns do not affect the rate of transmission and reflection areas at corpuscles NE and BEB. Consequently, the passage portions NE and BEB beam of light back and forth, regardless of the rotation will be equal to

$$t_{BCB} = t_{BEB} = \frac{2L}{c}$$

For clarity. If playing billiards in a standing or uniformly moving train with arbitrarily speed, the two balls sent simultaneously and parallel to each other, made in the barriers (semitransparent plate) simultaneously. Then, a ball, being reflected from an obstacle in the flies to the obstacles C (mirror) and is reflected by it back to the obstacle B, and the second balloon, bypassing the obstacle B will reach the barrier E (mirror) and reflected from it, having the same distance as the first ball. So they hit "heads" at the obstacles in time. So, as you can see, "the door is not locked!" As predicted by the Nobel laureate Richard Feynman, a corpuscle of light, however, this also applies to other electromagnetic radiation emitted by portions with a certain frequency. Thereby bunches distributed in space and discharge at a certain frequency, which like the material to form waves with variable particle density. Consequently, there is no contradiction in the wave-particle duality arises in the classical approach to solving the problem, as opposed to insoluble contradictions mystic centaur - the wave-particle - geek quantum-relativistic subconscious. The results of this study make it possible to justify the need for a return to the Newtonian corpuscular physical nature of light and electromagnetic phenomena.

5. ADDENDUMS

5.1 Manifesto of the participants of the International Scientific Organization "Newton Society"

/ Published «Proceeding of the Natural Philosophy Alliance magazine
16th Annual Conference of the NPA, 25-29 May, 2009, at the University of Connecticut, Storrs, USA/

Scientists of all countries, unite!

"The extraordinary seriousness of the unfortunate consequences of the crisis in natural science for the fate of terrestrial civilization is not perceived by the powers that be and not brought to the consciousness of the masses." VV Kuzmin (Ukraine), member of the VII International Scientific Conference "Space, time, gravitation", 19 - 23 August 2002, St. Petersburg.

XIX and XX century gave mankind three prominent thinkers: Karl Marx, Friedrich Engels and Vladimir Ilich Lenin, who, summarizing the experience of previous generations of scholars have enriched the methodological basis of the natural and social sciences, creating the greatest philosophical work - dialectical materialism, the value of which is invaluable. Attaching the utmost importance promoting the ideas of dialectical materialism in the fight against obscurantism, V.I. Lenin said: "The basic materialist spirit of physics, as of all modern science, and win all sorts of crises, but only by the indispensable replacement of metaphysical materialism by dialectical materialism ... We must understand that without a solid philosophical foundation no natural science and no materialism can not sustain the struggle against the onslaught of bourgeois ideas and the restoration of the bourgeois world.

"Caution VI Lenin proved prophetic. At the beginning of the last century, with the support of the international response to the scientific community, despite the protests of scientists, it was imposed pseudoscientific direction of quantum-relativistic subconscious in basic research. Its incompleteness of constructing a single mechanical theory of physical interactions benefited pseudoscientific swindlers to replace a true scientific knowledge materialistic idealistic hoaxes. Protests and resistance scientists of the world scientific community against outright fraud, lies and the forcible imposition of obscurantism brutally suppressed by the international reaction. And the persecution of scientists for attempts to revive the science does not cease to this day, despite the fact that the problem of the mechanical nature of physical interactions in the formulation of Faraday and Maxwell had long got its scientific analytical resolution, as predicted by outstanding scientists. Being unable to refute the scientific evidence inconsistency of quantum-relativistic fabrications and fairness of the findings of analytical studies to support the mechanical nature of physical interactions, pseudoscientific swindlers, for fear of exposing, by all means prevent the giving of publicity and a discussion of the scientific research results. For over a hundred years, as the numerous appeals of scientists to the powers urging to defend science against obscurantism attacks remain without clear answers. In this case, grossly violated the existing legislation, and to the authors of the appeal, often used repressive measures, ranging from expulsion from work and deprivation of academic degrees and titles, before being sent to psychiatric hospitals and physical destruction. The fear of exposing pseudoscientific activity, deprivation of privileges and prosecution for crimes committed to science and humanity, leads to the destruction of scientific knowledge and the degradation of social

consciousness. "Modern naturalists will find (if they know how to seek, and if we learn to help them) in the Hegelian dialectics, materialistically interpreted a series of answers to the philosophical questions posed by the revolution in natural science and which" get off "reacting intellectual admirers of bourgeois fashion." In the present circumstances, when all available means, including through education in schools and universities plans, the media, the public imposed anti-scientific idealistic and religious outlook, in-depth study, development and advocacy work classics of natural sciences and the dialectical materialism is the most important area of the fight for science, culture against barbarism, savagery and death of civilization. Only by joint efforts of scientists, progressive state and public figures, not indifferent to his fate and the fate of terrestrial civilization of broad layers of the population, it is possible to stop the process of degradation and enslavement of nations.

5.2 Let there be light!

*"Let there be light! And so was Newton.
But Satan, the long awaited rematch -
Einstein came -
and it was all as before. "*
Physicists joke

Lorentz transformation - an elementary task of propagation of waves in a material medium, the solution of which is not difficult for any high school student. Lorentz transform is recorded with respect to a light wave propagating in a stationary air, in accordance with Huygens wave theory of light propagation, being in contradiction with the corpuscular

Newtonian theory. Michelson and Morley had a crucial experiment to test these theories and found that the wave theory contradicts the results of the experiment, while the Newtonian corpuscular theory is in full accordance with the received data. It would seem that once again triumphed Newtonian worldview and the issue was settled once and for all. But it was not there! The negative result of the Michelson-Morley experiment, unexpected for the authors, demanded an explanation. Extended HA Lorenz absurd hypothesis in the direction of movement in the ratio of the size reduction of the moving body $1/\sqrt{1-v^2/\tilde{n}^2}$, for the salvation of the fashion at the time of the wave theory, due to what could be compensated for the difference in the path of rays, served as the basis for the withdrawal of relativistic transformations. "Incompetent in philosophical and scientific thinking (as defined by Newton)" clerk Albert Einstein Patent Office (and, possibly, according to some, his wife Mileva Maric), in the "stupidity and absurdity", went even further. It took him not only a reduction in the length, but also slowing down time. However, this folly was not enough; he postulated independence of the propagation velocity of motion of the light source and the receiver of light waves. And, since it was impossible to imagine a material medium in which light waves can propagate such an amazing mystical way, then, as instructed Academician A.F. Loffe, "along with those of physics thrown in the ether was the same weed basket of history." That is, it was ejected material medium in which the waves could be disseminated. But if there is an environment in which we could spread light waves, then the Lorentz transformation, emanating from the presence of the medium on which the relativistic theory, lose all meaning and, consequently, the relativity theory simply suggests "in the same weed basket of history" ether instead. And it was not

enough! A.F. Loffe and his comrades thrown "into the same basket weed stories" everything to Einstein's scientific and philosophical outlook! In this regard, a world-renowned scientist William Macmillan wrote: "We, the present generation, too impatient to wait for anything ... after trying Michelson to detect the expected motion of the Earth relative to the ether, we have given up everything we were taught before, created a postulate the most senseless of all, we were only able to come up with and created a non-Newtonian mechanics, consistent with this postulate. The success achieved excellent tribute to our mental activity and our wit, but there is no assurance that our common sense. "

Despite the attempts of Einstein and its apologists today the collapse of the quantum-relativistic subconscious has no one in doubt and a return to the materialist dialectic views becomes obvious. That less, pseudoscientific swindlers are proud of their "achievements": "This theory is not so crazy to be true," they proclaim, destroying scientific knowledge and spreading obscurantism. So is not it put an end to the exemplary stupidity is time where the mind becomes madness?

For this purpose we refer to today actual draft Decision Union Conference of physicists from 1949:

/ Publishing AS Sonin and KA Tomilina /
PROJECT
DECISION
All-Union Conference PHYSICISTS

After hearing the reports of the Minister of Higher Education S.V. Kaftanov, Acad. S.I. Vavilov, prof. A.V. Topchieva, prof. K.A. Zhigachev, prof. A.B. Mlodzeevskii, prof. V.M. Chulanovskri, Assoc. P.S. Kudryavtseva, prof. P.A. Znamenskoye, Union conference of physicists pointed out that in

our socialist state built on the basis of Marxist-Leninist theory provided unlimited opportunities for all-round development of science. Science in our country, liberated from the shackles of capitalism, for the first time in the history of mankind is transformed into organizational, transforming power of society. Becoming truly popular, science has reached an unprecedented peak. The party, the government, the people do not spare money and efforts for the development of science. Thanks to the constant concern of the Party and the government raised an army of one hundred thousand men of science. Among them, only professors and doctors, there are about 10 thousand. People. [The whole country is covered by a network of research institutes. In addition to the All-Union Academy of Sciences Academy of Sciences, there are many national republics. In some of these national republics was not even written. Established branch of the Academy: c / agricultural sciences, medical, educational, artillery, architecture, artists]. The greatest contribution to the treasury of science constitute the brilliant works of Lenin and Stalin. Lenin and Stalin's doctrine is a powerful ideological weapon in the struggle of our people for the victory of communism, it equips the workers of all countries in their struggle for freedom, for democracy, for peace. Research Michurin, Williams, Lysenko, raised high the importance of biology in our country. Michurinskaya agrobiology is the embodiment of the unity of theory and practice in the knowledge of the laws of nature. The great successes achieved by Soviet physiologists, chemists, mathematicians. The biggest achievement is also a Soviet physics. The Party and the government show great concern for the development of physics. In the first years of Soviet rule on the initiative of V.I. Lenin had established research institutes: optical, X-ray, Leningrad Physics and Technology, Physical

Chemistry, radium, Moscow Physics and others. At the moment we have created are widely deployed system research physics institutes. Soviet scientists have made a great contribution to the development of physics (Acad. Christmas, Acad. Lazarev, Acad. Vavilov, Acad. Alikhanov, Acad. Fok, prof. Alikhanian, Acad. Mandelstam, prof. Leader, prof. Kuznetsov, prof. Akulov, prof. Kudryavtsev, prof. Ivanenko and others). There is not a branch of physics in which Soviet scientists would not give a valuable research. Soviet physics has provided an invaluable service to our Motherland during the Great Patriotic War. The biggest challenge to physicists began during the post-war five-year plan. Of great importance for solving these problems have frames. Scientific personnel constitute a precious foundation of the Bolshevik Party and the socialist state. Party and government have always attached great importance to the education of young scientists. Currently, 800 universities of the country are studying 780 thousand. Students, more than all European countries combined. We have numerous and highly qualified scientific and pedagogical staff working in the different fields of physics. Only universities are about 3 thousand. Man at the Department of Physics. Among the professors and teachers of the Department of Physics significant place (28%) are women. In pre-revolutionary Russia in the women's departments of Physics, it was not. Preparation of physicists with higher education is conducted at present in 356 universities. The main task of the young staff is a steady increase in the ideological and scientific training. The task of Soviet physicists - honorably follow the instructions of Comrade Stalin, "... not only to overtake but to surpass in the near future achievements of science beyond the borders of our country." The vast majority of Soviet physicists successfully working to solve this problem, guided by the teachings of Marx, Engels, Lenin and

Stalin. Soviet physicists in the vast majority are in positions of dialectical materialism, are fighting for the principle of partisanship in science and are ardent Soviet patriots. However, among some Soviet physicists still have not been eliminated idiotic servility to the science of the capitalist countries, the obsession with cosmopolitan ideas, uncritical acceptance of propaganda and reactionary ideas preached by some physicists (Bohr, Heisenberg, Schrödinger, Jordan). The reasons for these physicists servility before foreign science are still remaining remnants of the accursed heritage of pre-revolutionary Russia, where the tsar's government fostered the intelligentsia in the spirit of slavish worship of foreign countries, as well as the impact of the capitalist encirclement. Physics abroad is in a state of protracted crisis and adopted ugly forms. Fascist imperialism rapes science, requiring her new more advanced technological means of aggression. On the other hand, he tries to put it at the service of rotten reaction technology. As a result, the modern physics of the capitalist West, particularly America and Britain produces depressing paucity of ideas, lack of development prospects, and the recognition of physical theory is only descriptive features. For Soviet physics is of particular importance to the fight against sycophancy and servility to the West and raise national pride, belief in the inexhaustible strength of the Soviet people. **You need to ruthlessly root out all sorts of shades of cosmopolitanism - an ideological weapon of diversion of Anglo-American imperialism.** The whole world knows the names of Russian scientists physicists: Lomonosov, Petrov, Mendeleev, Stoletov Umov, Lebedev and others. These scientists, moreover, that they have made a huge contribution to the Russian science, created a powerful physical school. However, some physicists (Landau, Joffe), cringing before the West declared that our physics was "provincial" character, that

physics in the Soviet Union was virtually nonexistent at the time of the revolution. Frank cosmopolitanism preached Academician Kapitsa during World War II, when the nation selflessly defended their national independence. Ideologist of cosmopolitanism is B. Kidron, who in his "philosophical" constructs came in complete contradiction with the dialectical materialism. Rather than criticize the idealistic features of physical theories generated abroad, some of our physics uncritically accept these theories and promote them in our country (Frankel, Markov). Books and articles bourgeois physicists transferred uncritically and become widespread. Among the books openly preaching idealism are sensational book "Life from the point of view of physics" Schrodinger "Nuclear energy" Smith. Soviet physicists enough pay attention to the methodology and philosophy of science. The attempt in this regard, Prof. Markov is extremely unfortunate. His article "On the Nature of Physical Knowledge," in the journal "Problems of Philosophy" contains gross philosophical errors. Allowing this article to be published, former editor B. Kidron had disservice Soviet physicist and author of articles M.A. Markov. Our philosophers naturalists do not deal in depth by modern physics, not generalize philosophically rich concrete material accumulated by science. There is disunity between physicists and philosophers. The training of young cadres we also have serious drawbacks. Physics The course is taught in many schools in total isolation from dialectical materialism. Brilliant work of Lenin's "Materialism and Empiric" still far from being fully used by teachers of physics in describing the course of them. Idealistic philosophical currents, trying to build on the achievements of modern physics, is not exposed and not properly criticized. **Particularly serious danger for students represents idealistic philosophical findings of modern**

theoretical physics (quantum mechanics and relativity). The vast majority of our textbooks and manuals on general and theoretical physics suffers from serious methodological flaws. Some of them are: "Mechanics" Haykin, "Theoretical physics" by Landau and Lifshitz, "Nuclear Physics" Shpolsky, "Statistical Physics" Frenkel popularize the concept of foreign physicists. In textbooks on physics totally inadequate shows the role of Russian scientists in the development of this science. Textbooks are full of names of foreign scientists. Serious shortcomings in the teaching of physics in technical colleges is a backlog of this course on the requirements and the level of modern technology. Educational work of some departments of physics divorced from intensive research work. So, at the Department of Physics of the Leningrad Polytechnic Institute. M.I. Kalinin, led by Y.I. Frenkel completely conducted research work. Experimental base of some departments of physics and physics institutes dramatically lags behind the contemporary level of science. Union Conference of physicists decides: In the field of ideological work:

- **Read the first task of all scientists of the Soviet Union a full assart of cosmopolitanism is the theoretical basis of all ideological distortions in the national physics.** It should be maximized the role of the scientific community, to develop criticism and self-criticism, exposing specific carriers rootless cosmopolitanism and raising the prestige of the Russian science. You must create a society with its physical body printing.
- The meeting was considered necessary in-depth collaboration of physicists and philosophers on issues of methodology of physics, examples of such work should serve as a work of genius V.I. Lenin's "Materialism and Empiric".

- The Meeting considers it appropriate in order to prepare highly qualified natural scientists philosophers can select science-physicists workers and send them to the philosophical postgraduate and doctoral studies.
- systematically cover all physics journals questions of methodology of physics. In the light of the new challenges facing the magazines strengthen their editorial board.
- The meeting called on all Soviet physicists bolder experiment more boldly to develop physical theories, deeper mastering the dialectical materialist method, decide on new ways of tasks determined by the construction of communism.

In the field of training:

- To expand and significantly improve the training of young scientists through graduate school, paying very close attention to the selection of candidates for graduate school and ideological and political education of graduate students.
- Rebuild the teaching of physics in higher education so that physics course fully reflect the state of science and was organically linked with specialization in the respective institution.
- Dramatically strengthen research work in the departments of physics colleges and technical colleges. Taking into account the rapid development of modern physics, to significantly increase the appropriations for experimental research work and physical equipment.
- Take steps to a redistribution of scientific and scientific-pedagogical staff in order to provide peripheral research institutions and universities of highly qualified physicists.
- Create high-quality physics textbooks. To do this, select groups of

authors, significantly relieving them from their ongoing work; announce the textbooks of general physics and basic special areas of physics.

Union Conference of physicists encourages all researchers and lecturers in the field of physics, of all people in science and technology dedicated work to justify the confidence of the Party, the people and implement an indication of the great Stalin surpass foreign physicists in all its areas. Note. Relativists and then, out of fear of exposure, tried to remove the text of the draft Regulation of the Internet. Left alone angry comments, of which only a single true that if they avoid responsibility for crimes committed to science and humanity, blackmailing power of the atomic bomb. "When L.P. Beriia asked I.V. Kurchatova - relativists suggest - is it true that the theory of relativity and quantum mechanics - is the idealism and from them it is necessary to give up, he heard the answer:" If you abandon them, will have to give and the bomb. "Beria immediately responded: the most important thing - a bomb, and everything else - is nonsense. Apparently, he shared his concern with Stalin. The meeting was canceled. Thus, the "bomb saved physicists." According to recent estimates if the meeting took place, that our physics would have been thrown back 50 years - to the pre-quantum era." Indeed, if the meeting was held, that even then we would get rid of pseudoscientific quantum-relativistic era, throwing humanity into an era of medieval inquisition - the flourishing of obscurantism, the pursuit of witches - "hydra pseudoscience", burning the true scholars and scientific and philosophical knowledge at stake."We need to understand that without a solid philosophical foundation no natural science and no materialism can not sustain the struggle against the onslaught of bourgeois ideas and the restoration of the bourgeois world. Modern naturalists will

find (if they know how to seek, and if we learn to help them) in the Hegelian dialectics, materialistically interpreted a series of answers to the philosophical questions posed by the revolution in natural science and which "get off" reacting intellectual admirers of bourgeois fashion. The basic materialist spirit of physics, as of all modern science, and win all sorts of crises, but only by the indispensable replacement of metaphysical materialism by dialectical materialism. Taking the path of Marxist theory we shall approach the objective truth more and more (without ever exhausting it), but by following any other path we cannot come to anything but confusion and lies ... ". V.I. Lenin Returning to the section heading, note: in fact, as the proverb says, that in every joke has some truth: Newton - the personification of the light of knowledge; Einstein - the personification of the darkness of ignorance. We must never forget that for centuries ignorance was maintained and supported by lies, deceit, hypocrisy, substitution of sanity insanity, prohibition of dissent and the physical destruction of opponents. Evidence of this - in the Middle Ages - the fires of the Inquisition and torture for the destruction of scientific knowledge. Today, it is the widespread planting of crazy pseudo-scientific theories, including the Academy of Sciences of the USSR, first blackmail power supply foreign technology, equipment and technology, and then the atomic bomb. "Since 1956, all the discussion of insolvency quantum-relativistic subconscious in the USSR, which were initiated infinitely true scientists announced pseudoscientific frauds, usurped power in the USSR Academy of Sciences," the Stalinist propaganda "and fully closed. In 1964 the Presidium of the USSR Academy of Sciences takes the closed order prohibiting criticism of the relativity theories in science, education and academic printings and scientists who prescribed to recognize

paranoid and guide to compulsory treatment in psychiatric hospitals. After that, only a few brave souls opposed theories of relativity. But against these new methods have been applied. Bronshtein in the book "Conversations about space and hypotheses" reports: "... only one in 1966 the Department of General and Applied Physics, Academy of Sciences of the USSR has helped doctors identify the 24 paranoid." From an article by Piotr Baskov "The history of struggle against Einstein's relativity theory" (with minor clarifications of the author). Only one in 1966 the Department of General and Applied Physics, Academy of Sciences of the USSR has helped doctors identify the 24 paranoid ". From an article by Piotr Baskov "history of the struggle with the theory of relativity of Einstein" (with minor clarifications of the author). Only one in 1966 the Department of General and Applied Physics, Academy of Sciences of the USSR has helped doctors identify the 24 paranoid ". From an article by Piotr Baskov "history of the struggle with the theory of relativity of Einstein" (with minor clarifications of the author). Today, the baton of the Inquisition to destroy the knowledge of the best minds of mankind took RAS, which banishes the true scholars of the Supreme Council, scientific and educational institutions, prohibits the teaching activities, deprives scientific degrees and titles, forcibly sends a psychological clinic. A horde of pseudo-scientists, presenters, commentators, political blockheads and all kinds of hacks, insignificant in their mental abilities and barren in the field of theoretical thinking, able only to foul, hit the scientific knowledge and true scientists: "The development of modern physics have led to the collapse of the notion of corporeal substance (matter) and found that the electromagnetic field - is a special kind of reality , which does not require real media "- say pseudoscientific swindlers of the Academy of Sciences. "The views of the

materialist Engels are outdated" - after Bazarov parrot advocates of quantum-relativistic subconscious. Lenin - on the categorical verdict Volkogonova - " the curse of the era." For such here "outstanding" open and merit Volkogonov awarded the State Prize of the Russian Federation in the field of literature and art. Of course, for art forgery and lies. And so on and so forth ... and print, and present all the impurities in many thousands of copies of our "independent" media disinformation "with sublime nonsense, with a claim to superiority and depth of thought," as the greatest achievements of modern science. Yap on the Great scientists and prominent public figures has become fashionable. Moskina know works generously paid. Flooded TV screens psychics, fortune tellers, fortune-teller, and other vermin. All methods Gebel's propaganda thrown at duping, fooling and degradation of social consciousness. Looks cap is burning and offer up all these impurities in many thousands of copies of our "independent" media disinformation "with sublime nonsense, with a claim to superiority and depth of thought," as the greatest achievements of modern science. Yap on the Great scientists and prominent public figures has become fashionable. Moskina know works generously paid. Flooded TV screens psychics, fortune tellers, fortune-teller, and other vermin. All methods Gebel's propaganda thrown at duping, fooling and degradation of social consciousness. Looks cap is burning and offer up all these impurities in many thousands of copies of our "independent" media disinformation "with sublime nonsense, with a claim to superiority and depth of thought," as the greatest achievements of modern science. Yap on the Great scientists and prominent public figures has become fashionable. Moskina know works generously paid. Flooded TV screens psychics, fortune tellers, fortune-teller, and other vermin. All methods Gebel's propaganda thrown at duping,

fooling and degradation of social consciousness. Looks cap is burning Yap on the Great scientists and prominent public figures has become fashionable. Moskina know works generously paid. Flooded TV screens psychics, fortune tellers, fortune-teller, and other vermin. All methods Gebel's propaganda thrown at duping, fooling and degradation of social consciousness. Looks cap is burning. Yap on the Great scientists and prominent public figures has become fashionable. Moskina know works generously paid. Flooded TV screens psychics, fortune tellers, fortune-teller, and other vermin. All methods Gebel's propaganda thrown at duping, fooling and degradation of social consciousness. Looks cap is burning. All those scum responsible eminent scholar and lexicographer Dzhon Bernal. In his deep conviction, shared by the international scientific community, the criterion of truth in choosing the right path for further research should be the work of VI Lenin's "Materialism and Empiric": "Lenin enriched the methodological foundations of the natural sciences, he deeply understood the full significance of the natural sciences, both practical and theoretical terms. He created the work "Materialism and Empiric", which is the greatest classical Marxist works, the value of which is invaluable. It is in light of this work, we have to consider the question of determinism and indeterminism, the difference between micro and macro physics, the foundations of quantum theory and the theory of relativity. "Ignorance drives us step into slavery, leads to social injustice. The power of knowledge, leading us along the path of knowledge of the truth to authentic freedom and justice. In the present circumstances, when all available means, including through education in schools and universities plans, the media, the public imposed anti-scientific idealistic and religious outlook, in-depth study, development and advocacy work classics

of natural sciences and the dialectical materialism is the most important area of the fight for science, culture against barbarism, savagery and death of civilization. Out of date, more than actual farewell than the will of Vladimir Ilich Lenin: "Study, study and study again."

5.3 Appeal to serious and competent scientists worldwide participants of the International Scientific Conference on the fundamental problems of Einstein's theory of relativity 29-30 July 2000 Beijing

(Translation of the doctor of physical and mathematical sciences, professor I.I. Smulsky)

Using this opportunity to appeal on behalf of the *Scientific Conference on the fundamental problems of the theory of relativity of Einstein* (Beijing 29-30 July 2000), we solemnly inform all the distinguished participants here, as well as the international scientific community that: **Einstein's theory of relativity is absurd theoretical system built on the basis of mathematically and physically absurd fictitious foundation.** The above conclusion is inevitable, as it can be shown the following:

- The well-known principle of "relativity of simultaneity" as the conceptual basis of Einstein's theory of relativity is a false position, despite the fact that he was hailed as one of the two greatest discoveries in the science of the 20th century. This is nothing more than a fiction, Einstein misled by combining the concepts of entanglement and confusion prerequisites sensation (or sight) with the substance (or true), etc.
- The so-called "invariant speed" is a trumped-up "postulate", which can never take place, because it simply contradicts the notion of speed.
 - Conversion Lorentz as the basis of special relativity consists of a set

unreasonable and organically insolvent expressions. They are not backed by nothing more than a reputation of "leading scientists" as Poincare, Einstein and Minkowski, who get lost in the foundations of mathematics, including coordinate representations and linear algebra, etc. **The theory of relativity smitten their mistakes. Nobody is able to save her from death. Modern science is facing a great revolution that is coming irresistibly.** *Members of the Scientific Conference on Fundamental Problems Einstein's theory of relativity:* Xu Shaozhi, of Hao Jianyu, Li Yinghua, Yuanchun of Qu Cheng, Wenping Liu Weijie, Cheng Shiping of Cui, Jidong Zhang Jianjun, Su Zhonglin Yang, Guangjing Li Anyu 29-30 July 2000 Beijing

5.4 "You will like this gesture because it is the whole of humanity" Albert Einstein

It is interesting to see how there was the fate of the family and of the Einstein - "the greatest genius of all time." "The first wife of Albert Einstein was Mileva Maric (1875-1948) - a Serb from Nowy Sad (then Austria-Hungary), who emigrated to Switzerland. With her he had met at the Polytechnic, where she studied on the same course, and married her, not a Jew, against the wishes of parents. When Einstein in 1914 moved with his family to Berlin, then in a week for some reason sends Milev children back to Zurich. It seems that someone did not like her Serb origin. Someone, apparently, knew that after 4 months in Serbia will start a world war between the German and Slavic peoples. Because, considered the Zionist leadership, the German academician, the applicant in the genius, it is better not to have close relative-Serbs. Left without a faithful assistant and associate one on one with the theory of relativity and its numerous enemies, Einstein soon overtired and in 1917, became seriously ill. Then he

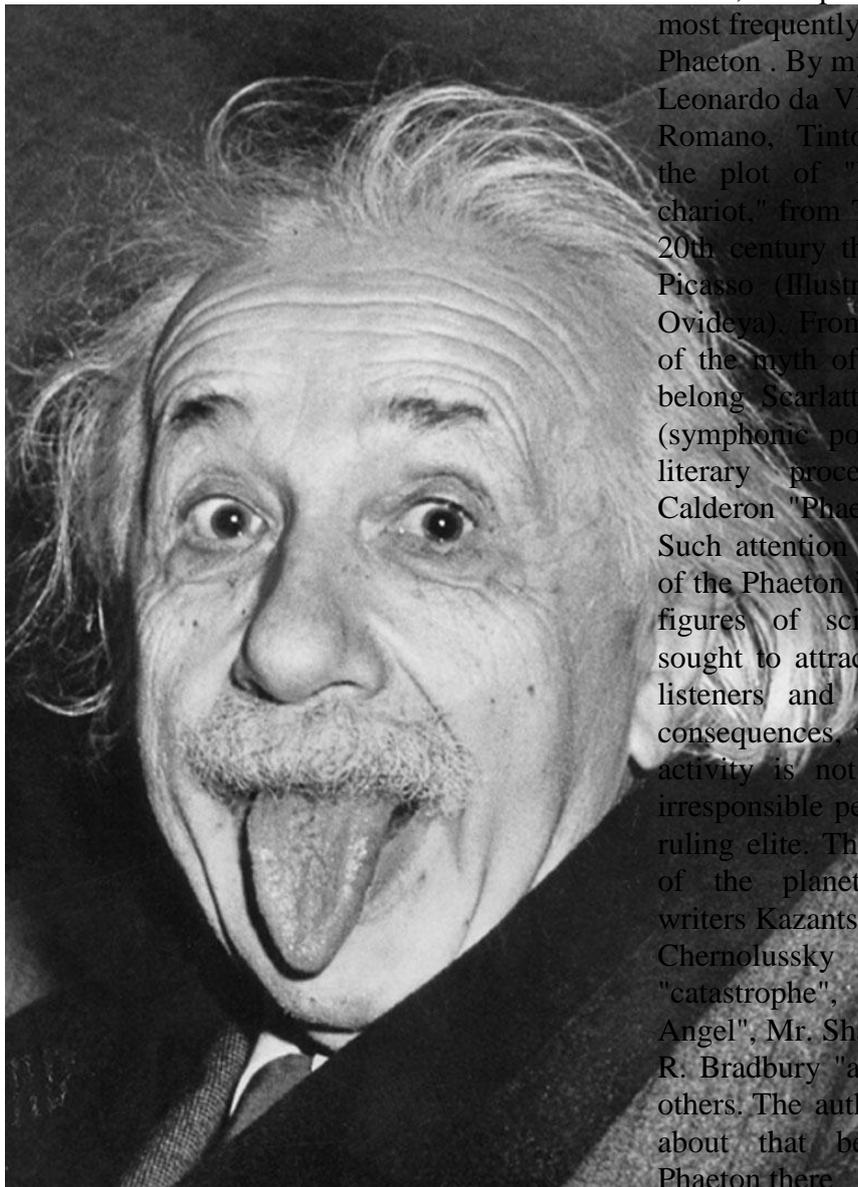
was taken to the apartment of his cousin Elsa, who had long lived in Berlin, which was to look after the sick. Soon, he began to live with her as his wife. And in 1919 formally she married her after divorce with Mileva, who promised to give money instead of the Nobel Prize, if he receives such. He gave. We civilized people to marry their sisters, even cousins, has long been considered reprehensible. But Jewish marriages between relatives are not forbidden by the Talmud. Rumor has it that Einstein's son, Edward, when he reached the age of majority (in the West it is 20 years), began to argue that it is not the father and mother Mileva, also ends the Zurich Polytechnic and also attend "Academy", wrote the first article in 1905 on the theory of relativity. Indeed, another biographer of Einstein - is the Soviet, writes that in the summer of 1930, Einstein's son - capable young man, an excellent pianist, who was going to become a psychiatrist, wrote a letter to his father with such "crazy accusations". Einstein was immediately rushed to Zurich. From that day until his death Eduard - patient psychiatric hospital in Zurich, where he died in 1965 Pais mentions Einstein, still living in Zurich, was a friend of the main Zurich psychiatrist, too, Jew ... Edward was born July 28, 1910 We can therefore assume that after the age of majority his mother told him the terrible family secret. The young man, who loved his father, was apparently so shocked that he wrote the letter without thinking about their own safety. But really, when Einstein in 1905 was to work on that article? It seems that on it as on the review article, really could work his thoughtful wife, who was sitting at home with the child while her husband ran the job, then a concert, then to friends. The journal "The Young Guard" said that in 1917, Friedrich Adler (1879-1960), who worked with Einstein before the Zurich Polytechnic, was also subjected to a forced psychiatric examination on the grounds

that he had published a paper in which to refute the theory of relativity. The same Pais writes that Marcel Grossmann (1878-1936), which has had so much help to Einstein, during World War II pacifist devoted himself to activities -. Organized a sanitary train, exchange of prisoners, etc. After the war, writes further that the author has changed much Grossman lost interest in the theory of relativity and in 1931 published an article criticizing the concept of parallel displacement, absolute parallelism and concurrency distant, and used them in the construction of general relativity by Einstein. More he will not allow public and 5 years later he would die in the same mental hospital in Zurich ... So when modern Einstein-sheep announce paranoid critics of the theory of relativity, it is no longer new. The same "Young Guard" magazine further said that Bronshtein in the book "Conversations about space and hypotheses" reported that *"only in 1966, the Department of General and Applied Physics, Academy of Sciences of the USSR has helped doctors identify the 24 paranoid" ... " Punitive Medicine "*, which reached its apogee with us in 70 years, began to act, as we see, even in the 17th year, if not earlier. And not with us, but in the West! No wonder the famous Swiss playwright A. Dyurenmatta, who wrote mainly in the 50s, there is a play about the physicist, hidden in a madhouse. As you can see, the writer did not have to travel far to find a prototype for the hero. Reprisals suffered by scientists for criticizing the theory of relativity, and not only - there is no end. it would take a lot of heavy volumes. And it would hardly fit everything in them.

When Einstein died in 1955, he bequeathed his body burned and the ashes scattered to the wind in a secret place that nobody knows where it is. When I told this to an elderly Jewish woman, she exclaimed: *"It cannot be our religion forbids such For when the Messiah comes, all the Jews, as it says in the Talmud, rise*

from their graves Who wants to be resurrected, to be buried in the ground What!.. Einstein did not know?! " I knew, of course. After all, he was a religious man, "real Jew " , as he called it Pais and childhood diligently and even fanatically studied Judaism. Maybe he did not want to rise from the grave, not to meet with other rebels, those who got there because of him? Or the fear that even before people realize its role in science and come to spit on his grave. "NA Beetle" on the cult of Einstein's personality and its negative impact on the physics " refdb.ru > look 3670011.html Still, we must pay tribute to Einstein. When he finally realized what he had done, then frankly he admitted: "Physicists consider me an old fool, but I am convinced that in the future development of physics will go in a different direction than hitherto" Albert Einstein The current state of the theory of relativity... 1931 And in 1951, on his birthday, Albert Einstein was photographed with his tongue hanging out.

Perhaps this is all what he was capable of in his unfavorable position. "This picture was made back in 1951, on the day of Einstein's birth. That evening, Einstein was tired, and when he was told to pose in front of the camera, he suddenly put out his tongue and instantly photographer made this funny picture. Photo very much a scientist and he gave a copy of the program host, Howard Smith, and on the other side of the card were signed: "You will like this gesture, because it is all mankind. " He wrote on his pictures with a protruding tongue Einstein, bols hoyvopros.ru > ... fotografii-s-vysunutym-jazykom



vases , sarcophagi , gems , carvings), the most frequently encountered a scene fall of Phaeton . By myth accessed by Leonardo da Vinci , Michelangelo, Giulio Romano, Tintoretto , Carracci , Rubens; the plot of "Phaeton asks his father's chariot," from Tiepolo and Poussin. In the 20th century the image of Phaeton turns Picasso (illustration to "Metemorfozam" Ovideya). From the musical development of the myth of Phaeton the most famous belong Scarlatti (opera) and Saint Saens (symphonic poem). The most significant literary processing threads is auto Calderon "Phaethon, the son of the sun.". Such attention to the mythological theme of the Phaeton is not accidental. Prominent figures of science, arts and literature sought to attract the attention of viewers, listeners and readers to the disastrous consequences, which may result in manic activity is not only the gods, but also irresponsible people, especially among the ruling elite. The theme of self-destruction of the planet, accessed and modern writers Kazantsev "Faetians" M. Chernolussky "Phaeton", O. Bertnik "catastrophe", K. Brendyuchkova "Last Angel", Mr. Shah, "The death of Phaeton", R. Bradbury "asleep at Armageddon" and others. The authors of these works tell us about that before the disaster at the Phaeton there was a highly intelligent life. Faetontsy, Faetians or faetonyane themselves destroyed their planet. It is common knowledge that between the orbits of the planets Mars and Jupiter is the asteroid belt - die-hard blocks, rotating as the other planet in a circular orbit. Of the many hypotheses and speculations about the nature of the origin of the belt is the most likely assumption is that once there was the ninth planet of the solar system - the Phaeton, inhabited by people with a highly developed civilization. Aliens visited our Earth, for which there is plenty of evidence. For example, built by aliens earth structure, back-breaking ancient aboriginals of our planet; ancient rock

5.5 *The death of insane civilization*

In "Myths of the peoples of the world" tells the story of that "son of Helios and Klimov Phaeton asked his father's permission to one day rule the solar chariot, but was unable to cope with their horses and rode too close to the ground, so that almost lit it. Then Zeus, to save the world from destruction, lightning struck him . " The meaning and interpretation of the word Phaeton . eslovar.com.ua > [entsiklopediya ... page / faeton.5866](http://entsiklopediya...page/faeton.5866) In the ancient art (on coins, in the painted

carvings depicting the construction and military equipment, people dressed in suits; gold jewelry with swept wings and tail, copying current shuttles. Giving narrate the Deluge and Incinerate the Earth; extinction, overnight, large animals - dinosaurs and mammoths. All these historical events could be due to destruction of the planet. Giving, myths and legends do not come from nowhere. It is likely that the result of internecine strife and wars are inevitable, according to Marx, under capitalism, for the redistribution of property and world domination, which, apparently, have sinned and Phaeton-ers became nuclear crazy accident of self-destruction of the planet, with all its consequences, was captured in the mythology, ancient manuscripts, cave paintings ... By analogy with the tragic fate of the planet and the chariot of Helios driven insane Shay, this former planet was named - Phaeton. This story is instructive and edifying. Without a doubt, the terrestrial civilization, driven mad with the governments of inciting and decoupling the world on fire, for which they are awarded the Nobel Prize, "the world" is moving by leaps and bounds to the inevitable destruction of the planet Phaeton scenario. Frenzy strong indifference and carelessness weak leads us to global catastrophe. But there is still a chance for science to save the Earth from a nuclear disaster or death distraught civilization is inevitable.

5.6 Minutes of the Constituent Assembly of the International Organization "Newtonian society" St. Petersburg, from 26.03. '93



INTERNATIONAL CONFERENCE ON SIR Isaac Newton AND THE PROBLEMS OF MECHANICS OF RIGID AND DEFORMABLE BODIES

MARCH 22-27 / 1993, ST - PETERSBURG, RUSSIA.

PROTOCOL

Constituent Assembly of the International Organization

"Newtonian Society"

From 26.03. '93

Was attended by participants and guests of the III International Conference "Newton and the problems of mechanics of solid and deformable bodies" Saint - Petersburg, 22 - 27 March 1993 We heard the proposals of the participants of the conference Cherepennikov V.B. authorized a group of participants, the creation of the International Organization "Newtonian society." The purpose of the "Newtonian society" considered to bring together scientists to resolve the fundamental and applied scientific problems based on the principles of classical physics. Assembly resolved:

- to establish an international organization "Newtonian society."
- To elect the Coordinating Council "Newton society" composed of:
 Chairman of the Board - Smirnov A.P. Cand. (St. Petersburg, Russia);
 Deputy. Chairman of the Board - Peshevitskiy B. I. prof. e. f and Mathematics. (Novosibirsk, Russia).

Members of the Board:

- prof. Bartocci (Italy); prof. P. Beckmann (USA);
- k. r. n. Belostotskiy Y. G. (St. Petersburg, Russia);
- Ph.D. Butusov K.P. (St. Petersburg, Russia);

a. the so-called Varin M. P. (St. Petersburg, Russia);
 tsp. Corr. RAS Grigoryan S. (Moscow, Russia);
 Acad. RAS Ishlinskiy A. Yu. (Moscow, Russia);
 a. p-m. n. Efimov A. A. (St. Petersburg, Russia);
 prof. Kanarev F.M. (Krasnodar, Russia);
 prof. Kiisa R. (Canada);
 a. p-m. n. Mamyrov U. of I. (Kyrgyzstan);
 prof. Monti P. (Italy);
 prof. R. Pearson (England);
 prof. Fateev V.F. (St. Petersburg, Russia);
 prof. Cheshev V.V. (Tomsk, Russia);

NOTE: To authorize the Coordination Council to carry out changes in the composition of its members in connection with the production needs. 3. To elect the Executive Director of "Newtonian society" Cherepennikov V.B. (Ulyanovsk, Russia). Instruct him to register the Company's current account opening and maintenance of organizational and financial activities. 4. To publish the proceedings of the III International Conference "Newton and the problems of mechanics of solid and deformable bodies" and works by members of "Newtonian Society" to organize the editorial Board composed of:

Varin M. P.
 Zayn Malik

Efimov A.A.
 Smirnov AP
 Cherepennikov B.B.

- To authorize the Chairman of the Coordination Council of "Newtonian society" Smirnova A.P. and the Chairman of the Organizing Committee of the III International Conference "Newton and the problems of mechanics of solid and deformable bodies" Varina M.P. to sign the minutes of the constituent assembly, "Newton's society."
- To authorize the Chairman of the Coordination Council of "Newton society" Smirnov A. P. subscriber to the memorandum, "Newton's society."
- Resolution of the Constituent Assembly was adopted unanimously.
 Chairman of the Coordination Council "Newton society"

Smirnov A. P.
 Varin M. P.



Group photo of participants 03/26/93

5.7 Decision of IX International



Conference
"Space, time, gravitation"

5.8 The answer is greedy for recognition
and fame
to the organizers of "model
representations for ..."

"When heroes leave,



IX International Scientific Conference

"Space, Time, Gravitation"

August, 07- 11, 2006, St-Petersburg, Russia

Председатель Международного научного комитета
Доктор технических наук,
Заслуженный деятель науки РФ,
Зав. Кафедрой теоретической
механики и баллистики Государственного
технического университета «ВОЕНМЕХ»,
профессор

Г.Т.Алдошин

Председатель
Местного Организационного комитета
Канд. физ.-мат. наук

М.П.Варин

Ученый секретарь
Канд. физ.-мат. наук, с.н.с. ГАО РАН
С.А.Толченикова

разработку полезной модели двухтактного двигателя внутреннего сгорания с гидропневмопередачей предложить кандидатуру Черепенникова Владислава Борисовича для размещения информации о нем во II томе «Выдающиеся ученые России» Международной академии качества и маркетинга и в энциклопедии «Лучшие люди России» в разделе «Открытия, разработки, внедрения».

4. Принять текст Открытого письма участников Конференции к Президенту РФ В.В.Путину, Председателю Государственной Думы Федерального Собрания Российской Федерации Б.Г. Грызлову, Министру образования и науки А.А. Фурсенко, Президенту РАН Ю.С. Осипову.
5. Поручить Черепенникову В.Б. публикацию Открытого письма в средствах массовой информации.
Поручить Варину М.П. организацию публикации материалов Конференции.
6. Организацию проведения X Конференции «Пространство, Время, Тяготение» в 2008 году поручить Варину М.П.
7. Решение принято единогласно.

there are clowns on the arena "
Heine

Dear Vladislav Borisovich !!!

Please explain about the "heritage." I agree that there are ideas that common sense sidestep. I have this kind of "science" is not interesting and cause a yawn. We are talking about physics, as I understand it, for conferences where you meet Klyushina and Smirnov discussed everything in a row in order to discuss everything, I guess. Klyushin We talked about it, and he thinks that this Congress has let some - this is, but if you do something in addition to it, it is necessary to include some kind of filter (pretty hard, of course).

NPA is a springboard for discussion of physical ideas of all kinds (relativistic, non-relativistic, quantum, non-quantum, and so on). Some goals of a revolution in science or something else they do not have global. Have on hand the last two collections of their conferences, well, so everything is what I saw - physicist (given the status of "seriousness" will not, because I did not look carefully).

Explain what you mean by "like-minded". It is in scientific terms, or in terms of goals. In scientific terms, everything is so variegated that gather a group of people supporting one theory - the problem is very difficult (I would say that in more or less serious scale - impossible). But is the purpose of all one - recognition (although the physics of her dream more than others). Naturally I want to once we have all received one theory, which will be the closest thing to something that will call "objective", but it is unclear when, and now think are important twofold: to separate the rational from the irrational theories and exit the level of which is now occupied by "adopted" paradigm, so that everything discussed on an equal footing, without any pseudo-scientific motivated. The order can be changed objectives, and current

paradigms well have been forgotten as a nightmare.

Best Regards, Igor Vasilyevich Pesterev.

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Dear Egor Vasilievich!

I will try to answer your questions. It is well known that the theory of knowledge of the world around us there are only two directions: dialectical materialism and idealism - are in an antagonistic confrontation.

Dialectical materialism - is a generalized, experimentally confirmed by the experience of scientific activities of many generations of outstanding scientists, based on common sense.

Idealism - it is just "the idea that common sense sidestep."

In the present study these topics and lit enough to understand. Of course, a complete proof of the validity of these statements are presented in the works of the classics of dialectical materialism and science.

In addition to the above, the accompanying discussion with the Academy of Natural Sciences Yuri Ivanov.

Propaganda crazy pseudo-religious ideas and dope the powers necessary to dupe the public consciousness, a distraction from the struggle for social justice and the enslavement of the masses.

When the "new Russian" robbing the Soviet Union, the vast majority of the population was diverted "loading of the cans" in front of TV screens, by Chumak, and sermons Kashpirovsky.

So why should we discuss ideas that "are not interesting and cause a yawn" and repel from us the true scientists?

Are twenty years of experience organizing conferences, so never learned anything? Instead of three hundred scientists from around the world at the conference comes barely two - three dozen members of the ignorant, "pursuing only one goal - the recognition." These

inventors' model representations of events ... "and pose a serious threat to science, which Engels wrote:" sublime nonsense in poetry, in philosophy, in political economy, history, sublime nonsense from the pulpit and platform, sublime nonsense everywhere, sublime nonsense with a claim to superiority and depth of thought ...

We can no longer take up almost a theoretical book on natural science without getting the her the impression that natural scientists themselves feel how much they are dominated by this incoherence and confusion, and that now current, so to speak, philosophy does not give absolutely no way out. And there really is no other choice, no other option but to return to some form of metaphysical thinking to dialectical. "

Instead of having to leave their mark in science because they dirtied her as heritage, to understand this, sometimes, can not afford, and a hundred wise men. I hope now it is clear that such "legacy"?

Our supporters - a classic dialectical materialism and all of the outstanding scientists of all time, who have left their mark on the development of science, as well as all modern scientists who defend the position of dialectical materialism.

Supporters Academy of Natural Sciences Y.N. Ivanov, Russian Academy of Sciences Osipov President and Vice President of Russian Academy of Sciences Fortova, Professor A.P. Smirnov and others like them - pseudoscientific swindlers: Einstein, Academician Joffe and others, who, being unable to deny the natural sciences conquest of dialectical materialism, scientific methods, have to resort to outright lies, falsifications and prohibitions - have sunk to the idealist position "for other ways. . there was no "- the recognition of the former President of the USSR S. Vavilov. Their pseudo theory is "the height of absurdity and an affront to common sense", according to the apt definition of the Nobel Prize Alfvén, have

nothing to do with objective reality and experimental evidence.

You write: "Naturally, I want to once we have all received one theory, which will be the closest thing to something that will call" objective ", but it is not clear when."

In this you are mistaken. This theory, accepted by all scientists, for a long time there and it is called - dialectical materialism. However, with the filing of pseudoscientific fraud, today it has become fashionable to ignore. And to invent "new" physical "model representations of events ... ', under the approving applause obscurantist, it was a special trendy" squeak ".

Only these successes Piskun, clowns and "pompous windbag" do not want to have to.

Yours faithfully, Vladislav Cherepennikov

Discussion with the Academy of Natural Sciences Y.N. Ivanov

Vladislav Borisovich.

I do not understand why to fight and with what? What is the meaning, for what purpose? To rule the roast in science? To pass for a fool among fools (or a fool among fools)? But even among the opponents of relativism there is no unity. None of Newton's admirers did not respond clearly and specifically on the issues that Newton himself wanted to answer. What is offered in exchange? And how you can offer, when prompted, one hears only himself. For this reason, I do not participate in such events and does not endorse them.

There is no self-confidence. To know how the world really is. So I'm leaving discussion of tangible or intangible of the universe, but instead offers an approach to all scientific theories as to the model representations. And then: "the model representation of the phenomena of Newton," "model representation of phenomena according to Einstein," "model

representation of the phenomena of Smirnov, Sidorov, Petrov ..." etc. Or this approach is bad ???

With regard to the obscurantism, the unknowing less obscurantist than who know exactly how everything is arranged and expelling dissenters. If you want to know my opinion about pseudoscience, then take a look here: <http://www.mirit.ru/video/008.htm> in "Science and Pseudoscience."

Sincerely, Director
Interdisciplinary Institute
Rhythmodynamics, Academy of Natural Sciences
Y.N. Ivanov

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Academy of Natural Sciences Y.N. Ivanov

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fDear Yuri Nikolaevich!
"When leaving the heroes,
on the arena there are clowns "
Heine

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I took advantage of your advice, and watched movies. As for the criticism of "the agony of dying" scientific "paradigm" of quantum-relativistic subconscious questions asked.

Next, you write: "I wish I knew how the world really is. So I'm leaving discussion of tangible or intangible of the universe, but instead offers an approach to all scientific theories as to the model

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representations. And then: "the model representation of the phenomena of Newton," "model representation of phenomena according to Einstein," "model representation of the phenomena of Smirnov, Sidorov, Petrov ..." etc. Or this approach is bad ???".

On this question you already answered many times classics of natural science, that this approach is really bad, as leads to positivism and subjective idealism, from which you have just tried to disown.

The same opinion is shared by the V.A. Atsyukovsky that meets you there under Nature Ivanov and Smirnova, Einstein ... that nature exists by itself and independently of us. Science as a learning process, is committed to identify basic concepts, patterns and relationships that exist in nature. And this knowledge make scientific paradigm. Truth "how the world works" there. And the best minds of mankind as a result of a centuries-old activity brings us closer to that "to know"

You rightly rejecting the paradigm of quantum-relativistic subconscious, as contrary to the laws of nature and experience, at the same time splashes and the paradigm of dialectical materialism, upon which all our knowledge, and that not only are its repeated confirmation in nature, but they are theoretical tool in practice activity. Indeed, to answer all the questions we can not ever. But this is the process of learning. "Taking the path of Marxist theory we shall approach the objective truth more and more (without ever exhausting it), but by following any other path we can not come to anything but confusion and lies." This VI Lenin warned of you from reactionary encroachments. But, unfortunately, you are these "freaks" - the classics of dialectical materialism - do not read, do not respect and reject.

Rejecting the accumulated knowledge "Giants", by definition, of Newton, "Heroes", by definition, Heine, what do you offer in return? And, in fact, nothing -

clowning, confusion and lies. You learned that natural processes occur largely cyclical and erect this dogma, like Einstein, who declared that everything is relative in the world. But with this, no one argues. The trouble is that the more of these unsubstantiated allegations have nothing. What is gravity, you ask? It rhythmodynamics answer you. Why do microbes move backwards - forward? It rhythmodynamics answer you. And so on.

So what is the essence of the processes and phenomena? Classical science gives satisfactory qualitative and quantitative answers to these questions. You also only "qualitative explanations", as claimed by you. You see that there is something jumping and swaying, and that's the whole story - rhythmodynamics word.

Give me billions of dollars, you say, and we all do not levitate in a dream, but reality. And you are referring to "reliable sources", allegedly, already flying monks. There was, however, a poor nun who tried to resist, but she was forced to fly evil spirits. And this nonsense you call science? And demand that you took away billions of budgetary funds for the development of delirium. So what is the worst explanation: "everything from God, and who does not agree that in the fire?"

Then you have suffered and about his grandmother, who was visiting her granddaughter after death and about a woman whose inner voice told: "Hold stronger engagement ring or they will ". Gives you a miracle "horse Wolf blown sail," supposedly having no scientific explanation. In aviation, this phenomenon is widely used and is called the thrust reversers and is calculated with a high degree of accuracy based on the theory that you are trying to reject. Ask the V.A. Atsyukovsky, you will interpret it.

All your "science" is well described by Engels in his article "Natural perfume in the world." But you, of course, these "freaks" do not read, do not respect and

deny, so to challenge you useless for warning A. Pushkin.

But you, Yuri, is not so simple and naive as you would like to appear. Before Newton level, Faraday, Maxwell, Engels, Lenin, etc. You do not get. Gut, as they say, is thin. After scrambling on the shoulders of giants rather tedious, not prestigious or even safe. That and look, if you pick the abyss psychiatric hospital or thrown from the sixth floor of the library.

"I do not understand why the fight and with what? - write you. What is the meaning, for what purpose? To rule the roast in science? To pass for a fool among fools (or a fool among fools)? What is offered in exchange? And how you can offer, when offering one hears only himself. For this reason, I do not participate in such events and do not support them. "

Disingenuous, Yuri Nikolaevich! Oh, how cunning! Participate. And even how to participate! "I do not understand why ..." but struggle. And even how to fight! Struggling "to rule the roast in science." Today, Einstein is not only lazy scolds. And you're right there. Is about to collapse relativism. And "in return" - sets you a question. And they themselves are responsible course itself: "**RHYTHMODYNAMICS** - a new brand of science!". No matter what "nonsense" and not a "brand". And what is your ignorance is worse than ignorance Einstein? Main pseudoscientific product today in vogue. And you know all this better than me, but more expensive than the stomach. Eat from the belly, it turns out, not only wants to relativists, but "rhymed" and other creators' model representations of phenomena ..." Your logic is simple and honest:. Better to be a "madman among fools (or a fool among fools)" so full. And the crowd lined up "models" where "everyone hears only himself," as on Tverskoy Boulevard, in the hope that someone will pick up and use for some time for its intended purpose. Only

your vain hopes. Too fresh in the memory of the scientific community obscurantism of relativism and its consequences. I believe you innocent mask with be removed.

However, we must pay tribute to you in self-criticism: "Scope (your ideas) - you write - not obvious demonstration of the phenomena of nature and the ways of deception known laws of physics, and in particular - the mechanics; a spectacular show at the international exhibitions and fairs to attract attention to their uniqueness and novelty of the onlookers, the press and the representatives of the firms to summarize and draw attention to the promoted brand (meaning "nonsense")."

Based on the foregoing, we can conclude that all your claims made against the Russian Academy of Sciences, in full can also be applied to you. It is impossible to even imagine what would happen with the natural sciences, if crowd "models" with "the Boulevard" break in the temple of science. Regarding your statement: "With regard to the obscurantism, the unknowing less obscurantist, who know exactly what." You are in complete solidarity with Oblomov - you turn all the science in the public house with freakout-attendants and clientele. The whole problem of modern science lies in the fact that bigots artificially Stepanov is hundreds and thousands of ignorant creators of all sorts of "model representations of phenomena ...", encouraging them to be elected to the Academy of Natural Sciences, and not only, if only abandoned science - dialectical materialism. Proof of this is, in particular, and the statement of the employee of the laboratory "biophysics", shown in the film "On the exit from the body, and the probability of the existence of a parallel world", that create freakout-lab helped guide Atommashenergiya. Of course, that the activities of the Interdisciplinary Institute Rhythmodynamics also financed from the budget of Natural Sciences (RAS or?). No

wonder that in the relativistic forum SciTecLibrary you sang the praises of " **RHYTHMODYNAMICS** - a new brand of science!". Very clearly that "nonsense" and not a "brand". But you certainly do not ever give up on this nonsense. Just like you and criticized relativists from their delusions. Because of this, his nonsense you'd like to fuck "Brad End BATE", but with caviar in addition.

It is with your help purposefully kept turmoil in the scientific community, and constrained the promotion of true scientific knowledge.

Yours faithfully, Vladislav Ch.

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Vladislav Borisovich.

You still acknowledge the impossibility of achieving the objective truth never? Do I understand correctly, that the subject of exhaustive answers to the true essence of natural phenomena materialistic science will never reach? those. - will never be able to exhaust the storehouse to the materialist foundation? And if so, why do you think the other way wrong? Why is the path that recognizes the truth elusive and bottomless well of, assumes the right to declare themselves the only correct? Who gave him this right, and where is the logic?

I probably naively, always believed that science stand on the positions of the subjective materialism /http://www.mirit.ru/rd_2007ru.htm#1_nac_hala/, but learned through you that my position is flawed because odds with some you recognize "intellectual giants". You offer its "Giants" !? I wonder what your esteemed "giants" of the Giants are better than others?

And what exactly do not you like Rhythmodynamics? The fact that its author has managed to fill some mathematical formulas, including Newton, real physical sense, and you - no? ([Http://www.mirit.ru/rd_2007ru.htm#](http://www.mirit.ru/rd_2007ru.htm#)

6.05). If your face successors of Newton's ideas condemn any unauthorized fantasy, why do you fantasize about sources and drains? For this is that, to register the company Newton enough? Or your fantasies are not your subjective vision of the truth! How are they better than others and why? Explain, please.

Sincerely, Director of
 Interdisciplinary Institute
 Rhythmodynamics,
 Academy of Natural Sciences
 Yuri Ivanov

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Academy of Natural Sciences Y.N. Ivanov

Dear Yuri Nikolaevich!

We must pay tribute to you. Usually my opponents after criticism of their "model representations of phenomena ..." say, "fool", and walk away with your head held high in the search sympathizers comforters.

Of course we will treat your Rhythmodynamics from the standpoint of dialectical materialism. Especially because you declare itself "subjective materialist." Of course it is something innovative. There is a concept of subjective idealism, when it is assumed that the world exists only in the imagination of the subject. But you certainly know better.

So, you write: "in order to prove the validity of this dogma, i.e. the material world, it is necessary to present the

primary element from which the world was created. The task is difficult and impossible, since but "matter" is still "something" is, therefore, the proof is replaced by sensual beliefs ...".

Have you ever heard of the materialist views of the inexhaustibility of matter - "the electron is also not exhausted, as the atom - Nature is infinite"? So from the materialistic point of view to bring the primary element is not necessary.

Therefore, your statement is a falsification.

Next you state, "... but" matter "is still" something "...".

Let it be known that from the materialistic point of view in the world is nothing but a moving changing matter. So in this issue you, to put it mildly, are mistaken.

About the "customer information, in "Something" is called the soul ", perhaps, keep silence. Because this is your subjective "materialistic" Pearl does not require comment.

Further. "Receptacle: endless and absolutely empty for anything and exists in itself, not having any effect, nor detention, defies logical comprehension and physical description, i.e. - justification. Property: never be empty. "

You at least you know that writing? "It is absolutely empty ... with the property will never be empty." That "has no effect, nor the content that defies logical comprehension and physical description, i.e. - justification ", is " nothing ". Brilliant definition. If it's empty, "nothing" fill in "the continuum of nothing was not held", we get "subjective materialism, according to Ivanov." One problem. By materialism is "nothing" has nothing to do.

"It is incomprehensible - exclaimed Voltaire - create out of nothing means to transform nothingness into something!"

Finally, "Foundation Axiom: There base as a carrier for constructing (display) of points, straight lines, planes, circles, flat and volumetric shapes. Points, straight

lines, circles, planes, flat and three-dimensional figures can not be recorded without the media, even if the media imaginary. "

"Imaginary carrier". That is, a carrier that does not exist and that only exists in your imagination.

Here you also sailed to subjective idealism - "... to anything but confusion and lies," VI, by definition, Lenin.

Resume "? What exactly do not you like Rhythmodynamics" You have brought themselves: "Modern sages such a state of the science at hand: you can collect money for the responses to allegedly relevant to the questions of humanity. And many "wise men" understand that cheating. But to admit this? Not because you want to be expelled from "science", especially when it is only for the "sage" way to earn their daily bread. And God forbid, someone will appear who will show up. "

Answers to your questions.

1. "Do I understand that, and exhaustive answers for the true essence of natural phenomena materialistic science will never reach?".

You see is not correct. We live on an extremely small island universe and give relatively satisfactory at a certain stage of development of science answers to the phenomena that occur in the world around us, and extrapolate this knowledge in micro and macro worlds, where possible. In the process of knowing our ideas are refined, more and more approaching the absolute truth in the knowledge of a phenomenon (without ever exhausting it). A more detailed explanation will find, if desired, in theory cognition dialectic materialism.

2. "... my position is flawed because odds with some you recognize "intellectual giants". You offer its "Giants" !? I wonder what your esteemed "giants" of the Giants are better than others? "

Again, not true. «IN UMERIS GIGAMTUM» («on the shoulders of

Giants") is said not by me, and the great Newton. Try to guess why he said so, and who at the same mean. You have a vivid imagination. As for the other "giants", the creators of countless "model representations of phenomena ...", where "everyone hears only himself", in comparison with Newton Giants in their emphasis is not visible - a clown, confusion and lies.

3. "... What exactly do not you like Rhythmodynamics? The fact that its author has managed to fill some mathematical formulas, including Newton, real physical sense ... ".

Above I have already shown that you have filled some mathematical formula emptiness, "nothing", meaningless in the real physical sense.

4. "... why do you fantasize about sources and drains? Or your fantasies are not your subjective vision of the truth! "

You asked a question and answered correctly by chance on him. These "fancy" do not belong to me, and Faraday, Maxwell, Engels, Hungarian Academician Ludwig Janos our Barashenkov and Bronstein, Yukawa winner of the Nobel Prize, and many, many others. Do not know about this applicant for a "new brand of science" simply shameful.

Yours faithfully, Vladislav C.

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Vladislav Borisovich.

Tell me, if a man by nature born sightless, the physics built them in whatever extent reflect the materiality of the world? could convince the blind sighted materialist materialist that there is sun, the moon, the stars? I would have believed him blind, or blind sighted be accused of charlatanism, in non-materialism? After all, the blind from birth ideas about the world more material than for a sighted; probe, - so there! And he's right, because matter - no more than an objectively existing reality as a

philosophical category, given to us in sensations blind.

If you sighted a materialist, then explain to me a blind materialist, what is the matter from the point of view of physics and what it matter is specifically (but without the philosophical categories)? If we delve into the matter with a view to achieving the ultimate beginning, and finding the basis, we can in principle achieve this first principle? If you can and have the basis, the world really is material, and if the first principle unattainable than ever, whether we can speak of the origin? If the first principle is not, how do we mortals believe in materialism? Classics have failed to convince me. Can you enlighten, teach ...

Sincerely, Director
Interdisciplinary Institute
Rhythmodynamics,
Academy of Natural Sciences Yuri
Ivanov

PS Where can I get acquainted with your work?

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..... ..

To Interdisciplinary Institute
Rhythmodynamics' Director,
Academy of Natural Sciences
Y.N. Ivanov

Dear Yuri Nikolaevich!

Relatively sensations blind, deaf and dumb, and left our mortal world, materialists answer that the material world exists independently of our sensations, which is really perceived and reflected by our senses. If the blind stumble on the wall, is not he will stuff themselves cone ("probe, - so there")?

In connection with the above stated, to your question: "If you sighted a materialist, then explain to me a blind materialist, what is the matter from the point of view of physics and what it matter

is specifically (but without the philosophical categories)?".

"Materialist blind" explaining that the matter from the point of view of physics, there is a wall and a bump that "blind materialist" filled, bumping about it. If it is up to him at once will not come, the experiment should be repeated as many times as necessary to being determined consciousness.

Matter is just a philosophical category. Unless you did not write about it? "Matter - no more than an objectively existing reality as a philosophical category, given to us in sensations blind." Therefore, without the philosophical categories, we can not do. So, I repeat for the "blind materialist" definition of Engels: "**Matter** as such is a pure creation of thought or abstraction. We abstract from the qualitative differences **of things**, when they combine both **physically existing under the concept of matter** ." This definition is the main axiom of the philosophy of dialectical materialism. Voltaire taught, if we admit the existence of emptiness, we inevitably come to a theism. If we do not admit the existence of emptiness, then we will come and materialism. Matter as such is a hierarchical collection of an infinite set of material objects systems interacting. If we in the apparent "emptiness" choose an arbitrarily small volume and begin to increase it, we will find there the particles. If you continue on and choose an arbitrarily small volume in the "void" between the detected particles and again begin to increase it, then again to find the particle still lower order, and so on ad infinitum. These are the materialistic conception of the structure of matter. Therefore, to achieve the ultimate beginning (the basis) we can not, in principle. Except that only with the help of God, Einstein and Ivanov. If we in the apparent "emptiness" choose an arbitrarily small volume and begin to increase it, we will find there the particles.

You write: "Could sighted materialistic convince a blind materialist that there is sun, the moon, the stars? I would have believed him blind, or blind sighted be accused of charlatanism, in non-materialism? "

You sighted materialist ever seen atoms or electrons? However, you have believed in their existence, and do not blame anyone at this quackery. Therefore, the "materialist sighted could convince a blind materialist that there is the sun, moon and stars," if you learn to interpret correctly.

Me, with the mediation of the chairman of the Ethics Committee of the Supreme Soviet of the USSR, Professor Anatoly Alekseyevich Denisov, the brochure "Science needs protection" was published in 1991, ten thousand copies. She was sent, as expected, in many libraries and returned "if not of scientific interest." Trading network refused in its distribution.

However, circulation devided almost all international conferences, according to friends and acquaintances. Materials you already expelled. I hope that you have received them in full.

Science bit by bit over the centuries created great scientists, which Newton called the Giants. Then came the rioters and try to destroy the universal intellectual values, above all, on the basis of short-term considerations. Obscurantism today in the price. Why not take this opportunity to snatch a piece of any fatter. command is given from above - to defend science - and we're there too. In the meantime, a team did not arrive, sorry - own shirt is closer to the body. This, in general, the situation today. And it is necessary to understand - where the roots are growing obscurantism.

Referring to the top, we are pursuing two objectives:

firstly, to put the powers that be aware of the fact that no matter how harnessed Einstein and organizers "model representations of phenomena ..." more than a hundred years, pulling in different

directions, and things are there. That the path of relativity and other "model representations of phenomena ..." theories can only be reached nowhere. That a return to the materialist conception of science is inevitable. This self-evident truth, so far, not received by those in power;

secondly, depending on the adopted decisions on horseback, to develop a strategy that would ensure the overcoming of "extraordinary seriousness of the unfortunate consequences of the crisis in natural science for the fate of terrestrial civilization" in this situation.

You have done, of course, a lot of work. To admit that the path has been chosen is not correct, you need to have great courage and have a strong character.

Science Today, more than ever in need of protection. And each of her protector, as they say, its weight in gold.

It is difficult, of course, hope that you will ever get to the truth, which, unfortunately, has become for you, "one of the ways of truth distortion" - "only for" sage "way - as you write - to earn their daily bread" and stand on the protection of Science.

Yours faithfully, Vladislav C.

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.....

Vladislav Borisovich!

How can one defend a scientific approach from the other, offering nothing in return? And if offered, what exactly? Declarative links to questionable authority who in his work skillfully manipulate words and immature minds? Newton even frankly admitted he did not know how the world works, and therefore concluded that no phenomenon of hypotheses can be described in such a way and to such a simplified model. Giant admitted, and followers can never be cut. Belief in authority in science is often only hurts.

As an example, do you distinguish rest from the movement? Two identical resting body, and then one was moved with a constant speed. Are there differences in the

states in these bodies? And if there is, then what? Newton could not give an answer to this important question, as I could not answer the question about the causes of mechanism of gravitation. As for the drain and source, these concepts have been used no more than a model representations, facilitates the creation of math apparat.

Sincerely, Director of
Interdisciplinary Institute
Rhythmodynamics,
Academy of Natural Sciences Yuri N.
Ivanov

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Academy of Natural Sciences Y.N. Ivanov
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fDear Yuri Nikolaevich!

The main feature of scientists from pseudoscientific scams is that the materialistic scientists see themselves as science and obscurantists-idealists - the science for themselves.

rWe dialectical materialists defend "a single scientific approach" as opposed to numerous fabrications, "offers nothing in return" idealists, for whom the world is a "receptacle completely empty ... not having any effect, neither the content nor the justification ... filled continuum , from nothing consisting skillfully manipulating words and immature consciousness ".

n"It is inconceivable (repeat): - exclaimed Voltaire - create out of nothing means to transform nothingness into something!"

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Almost from time immemorial, there are two approaches to resolving the fundamental problems of philosophy and science.

First, a scientific approach - the materialistic world. This doctrine seeks to know the truth on the basis of the scientific paradigm, which for centuries has created great scientists-naturalists. This approach allowed to create all without exception, science-based theory that humankind successfully uses in daily practice, and which are trying to cling pseudoscientific frauds from Acad. A.F. Joffe through Acad. Alexandrov, Ginsburg, president of the RAS Academician Osipov and ending. Ivanov - "subjective materialist."

The second - an idealistic direction, which is to your aptly put it considers "truth - as a way of distorting the truth." This approach has been exposed by the classics of dialectical materialism as a pseudoscientific fraud. This trend has no scientifically based or experimental confirmation and is reduced to fraud, confusion and lies. And keep this lie solely on repression used against opponents.

Bearers of these "ideas" are "questionable authorities" who, rejecting dialectical materialism, attempting to impose the scientific community "model representations of the phenomena of ...", which ultimately boil down to a "repository of infinite and absolutely empty, without regard to anything and existing by itself, with neither the fact nor the content, i.e. - justification. With the property will never be empty and filled continuum of nothing never happened. " (Your "manipulation of words and immature minds?".)

Newton deduced the empirical law of universal gravitation based on empirical laws of Kepler and extended it to all gravitating body. Similarly pendant brought empirical law of electrostatics using a torsion balance. However, neither Kepler, neither Newton nor the pendant did not put forward what some of the

essential hypotheses (not "represent any simplified model," by you) about the nature of gravity or electrostatics. So anything Newton did not "concluded that the phenomenon of without hypotheses can imagine such a simplified model." The giant did not recognize. And that's why Newton openly and "frankly admitted" and that "he did not invent hypotheses" as the essence of gravity was not clear to him.

In this regard, Voltaire wrote that "Newton could answer all his critics: I use the word" attraction "only to refer to open me naturally authentic and undisputed actions of unknown principle, qualities inherent in matter, the cause of which I present to open, if they it will, the people more skilled than I am. "

But science does not stand still. " Here's the latest act theory Clerk Maxwell, Hankel, Renard, Edlunga in accordance with the expressed already in 1846 for the first time Faraday's hypothesis that electricity - is the movement of a certain filling all space, and, consequently, all the elastic medium permeating the body ... in other words, that the electricity - the movement of particles of ether, and the molecules of bodies are involved in this motion ... in the underlying concept of all of them noticeable decisive progress: the idea that electricity is exerted on the molecules of bodies of the movement egg weighty matter permeates the entire light ether. Ether theory offers hope you to find out which it is in fact the real substratum of electrical motion that actually causes a thing for his motion electrical phenomena.

As we move forward so that we can give the mechanics of the ether, then it is, of course, will go down, and more so that it is now ranked as the need for physics. "

It is in this resolution of the question, "questionable credibility for you," Engels saw decisive progress. But you certainly do not understand. Because "faith in the authority of science you only harm."

Faraday and Maxwell was hypothesized and formulate the problem that the interaction of material objects due to emission and absorption of ether material particles flows. This idea was by no means a free invention of "a handful of dubious authority" - "nothing more than a model representation, facilitates the creation of math apparat" and was the result of generalization of numerous experimental data and observations of the world around us. These materialist views received convincing confirmation of the analytical resolution of problems of Faraday and Maxwell, presented me in the study. But you, pseudoscientific frauds of this evidence in an emphasis do not see. Because this confirmation obscurantists imposed a final sentence undeniable collapse of all their idealistic fast talker.

And the last. Materialism does not recognize "a state of absolute rest," because the material world objects are in constant relative motion and change under the influence of the interaction forces, which under certain conditions can be balanced.

"Newton was not able to give an answer to this important question, as I could not answer the question about the causes of mechanism of gravity" - you write.

Newton did not give. And a lot of what not to give. For example, the atomic bomb. But unlike you, he did not invent, and you do not advise. However, his followers gave you detailed answers to all your questions, including "on the difference between the rest of the movement," and "of mechanism causes gravity", against which you even have nothing to argue, and those "which wanted to answer Newton himself. "

In conclusion, on behalf of the international scientific community, we express our gratitude to you for assistance in exposing your face to the academic elite pseudoscientific swindlers of the Russian Academy of Natural Sciences, as our discussion is the clearest proof of that.

Yours faithfully, Vladislav C.

P.S. The absurdity of the barbaric destruction of science, persecution and extermination of the best minds of humanity have led to the fact that the field of knowledge overgrown weeds pseudoscientific fabrications: Einstein, Ioffe, Alexandrov Ginsburg, Osipova, Fortova, Ivanovo, Smirnov and other creators of "model representations of phenomena on ...". They all share a fierce hatred for the true scientific knowledge and to the greatest scientist, who for centuries have little by little this knowledge is identified, collected and compiled. Attempts to silence, confusion of perversion of truth and falsehood, and bans most severe crackdown on dissent - have become the main weapon of obscurantists.

In order to confuse and deceive public opinion pseudoscientific swindlers encourage ignorant creators with contempt relating to intelligent human values, to the generation of many "model representations of phenomena ...", where "everyone hears only himself," according to their own declaration. They do not even forbidden to scold Einstein, with only one condition, that their own "discovery" was no less delusional than the postulates of relativity. What I did not hear a lot these international congresses and symposia! And the expulsion of rats meditation method, and the transmigration of souls, and to increase the productivity of prayer. These "questionable authorities" was elected to the Academy, their cooking announce "new brands in Science" and appoint the directors of "scientific" establishments. These mutants of science has finally lost to society.

But it is necessary at conferences to slip even a spark of common sense, as here there are problems with the publication of materials, attempts are made to destroy the circulation and repressive measures to the organizers.

"Often I ask, - wrote the great Voltaire - why those who are serving their commands to be scientists and patient, so were often ignorant and heartless. They were ignorant because studied for too long and cruel because they felt like their worthless classes become an object of contempt of the wise men. "

Today, we are entering into an unequal battle against obscurantism. And the victim on our side is inevitable. Our predecessors and followers, or have been, and are being persecuted, or come in psychiatric hospitals or already are in the graves.

Meanwhile, pseudo-scientific fraternity continues to feast during the plague. And obscurantism voluntarily from this revelry are not easy to give up ever, because the century-old lies, the unscrupulousness and impunity have created in them a sense of confidence in the absolute success of the application to the opponents of the Jesuit methods of suppressing the resistance.

But somebody has to show civil courage and call here all their names, scientists urge the scientific community to unite, because we are "obviously thousands, and possibly millions," as evidenced by the progressive magazine "Inventor". Our cause is just, the victory will be ours!

Those who come after us and will succeed, we must not forget that many of those who are oppressed by scientists mimic tomorrow and will convince everyone that secretly supported by science, because "no one making his profession quackery can not have an accurate and a clear mind. " Voltaire.

These werewolves allow science can not in any case.

5.9 Conclusion

From the primitive - communal system, through the slave, feudal, capitalist and imperialist to the socialist and communist society is developing in the way of social

justice. That is, until that more has not been disproved, the basic law of social development. The higher the scientific intellect of social development, the greater social justice.

The scientific theory of communism - the greatest creation of collective intelligence scientists of all time, generalized indeed unsurpassed thinkers - Karl Marx, Friedrich Engel and Vladimir Ilich Lenin.

Under the slogan "study, study and study again" in practice - in work, in the fight and in the fight had built the Great Mighty Soviet Union, which has shown a distinct advantage of the socialist mode of production over the capitalist. The best results in the economic, social, technological and political developments demonstrate China, Korea, Japan and even India, where the state capital is combined with the private. Moreover, the larger the share of the public sector, and closer to the practice of Marxist theory, the more significant achievements.

However, after the death of the great creator IV Stalin came to power and cosmopolitan petty tyrants who do not create and destroy the wizard. We lost to them, first of all, on the ideological front, allowing to replace materialistic doctrine idealist obscurantism. "We have to understand - warned VI Lenin, that without a solid philosophical ground no natural science and no materialism can not sustain the struggle against the onslaught of bourgeois ideas and the restoration of the bourgeois world. " His words proved prophetic. Basic science and as an inevitable consequence of the fact, the economy and politics are mired in lies, ignorance and corruption, as foreshadowed by Vladimir Ilich Lenin.

But "The basic materialist spirit of physics - VI taught us Lenin - as well as of all modern science, and win all sorts of crises, but only by the indispensable replacement of metaphysical materialism by dialectical materialism ...

Taking the path of Marxist theory we shall approach the objective truth more and more (without ever exhausting it), but by following any other path we can not come to anything but confusion and lies ... ".

Vladimir Vladimirovich Putin defended the science - the only true path to salvation of mankind from the impending disaster.

Today the absolute duty of every honest man is to "study, study and study again." To acquire true knowledge. Only an educated mind can resist the lies and stand up for science and the way the revival of Russia.

5.10 About the author

Director of "Newton society" and international "Newton Society" scientific organization.

Vladislav Borisovich Cherepennikov
Encyclopedia "Best people of Russia» / V release / Person
Cherepennikov Vladislav Borisovich

Honorary Academician of the International Academy of Quality and Marketing. Member of the Public Assembly of the Ulyanovsk region and the Public Coordination Council of the city of Ulyanovsk. Chairman of the Ulyanovsk regional branch of the People's Patriotic Union of Russia. He was awarded: the Order "For the revival of Russia. XXI Century ", a diploma "Leader of the present "International Competition" Pillar"; medal and diploma "The Best People of Russia"; a diploma and a gold medal "European quality"; "For Merit" medal.

Organization with an unusual name "Newtonian society" is well known to residents of Ulyanovsk - mainly due to active charity. The Company regularly provides funds for sports competitions and tournaments, organizes excursions and holiday dinners at the cafe for veterans, a patron of the kindergarten and the school pays the best students scholarships, helps victims of Chernobyl and more recently at

his expense in Zavolzhsy district of Ulyanovsk was reconstructed playground "Africa". The head of LLC "Newtonian Society" for almost a decade Vladislav Borisovich Cherepennikov - entrepreneur, scientist and public figure.

Vladislav Borisovich was born July 23, 1945 in Ulan-Ude. From 1964 to 1970 he studied at the Kharkov Aviation Institute. After receiving a university degree, he worked in a branch of the Research Institute of Aviation Technology (JARI) in Kharkov engineer. Four years later he was transferred to a branch in Tashkent JARI a senior engineer, and another four years later moved to Ulyanovsk, where aviation industry, one of the largest in the country has gone from bureau chief to Deputy Director General. In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society. "I worked at a branch of the Research Institute of Aviation Technology (JARI) in Kharkov engineer. Four years later he was transferred to a branch in Tashkent JARI a senior engineer, and another four years later moved to Ulyanovsk, where aviation industry, one of the largest in the country has gone from bureau chief to Deputy Director General. In 1985, Vladislav Borisovich was appointed head of tool

maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society." Four years later he was transferred to a branch in Tashkent JARI a senior engineer, and another four years later moved to Ulyanovsk, where aviation industry, one of the largest in the country has gone from bureau chief to Deputy Director General. In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society." Four years later he was transferred to a branch in Tashkent JARI a senior engineer, and another four years later moved to Ulyanovsk, where aviation industry, one of the largest in the country has gone from bureau chief to Deputy Director General. In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society." In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society." In 1985, Vladislav Borisovich was appointed head of tool maintenance machine tool plant in Ulyanovsk city, in 1993, became the director of a small business "Ether", and in 1996 founded and headed the company "Newton's society."

V.B.Cherepennikov - a scientist of international renown. He participated in six international conferences on the fundamental problems of natural science. In 1991 it was published his pamphlet "Science needs protection", which justified the mechanical nature of physical interactions and philosophical inconsistency of quantum-relativistic

subconscious. Based on the resolution of mechanical models of physical interactions in the formulation of Faraday and Maxwell V.B. Cherepennikov managed to get in an analytical form the fundamental equations of theoretical physics in the field of gravity, electrical and magnetic interactions, and weak nuclear forces. In 1993, at the III International Conference "Newton and the problems of mechanics of solid and deformable bodies," it was unanimously elected Director of the International "Newton Society" public organization.

In addition to science, Vladislav Borisovich actively engaged in social activities. He is the author of the Program of socio-economic support for young people and low-income segments of the population, which was approved by public organizations, legislative and executive authorities of the Ulyanovsk region, as well as reflected in the federal law, initiated by the President of Russia VV Putin "On the Public Chamber of the Russian Federation." The essence of the program is as follows: at all levels of government and municipalities establish a public council (public house) to strengthen the role of the public in government and control of the executive branch; when councils are established non-profit enterprises profit from the activity which goes to charity and social programs. In accordance with applicable law, such companies may be partially or fully exempt from taxes. Currently, the region has created a public meeting of the Ulyanovsk region and urban public coordination council. Vladislav Borisovich is their permanent member. In addition, he holds a responsible post of the chairman of the Ulyanovsk regional branch of the People's Patriotic Union of Russia. In 2004, for participation in socio-economic programs to transform the city of Moscow and the revival of Russia V.B. Cherepennikov he was awarded a diploma "Leader of the present" International Competition "Pilar" and for outstanding

service, contributing to the strengthening of the economy, the greatness and prosperity of Russia, was awarded the Order "For the revival of Russia. XXI Century".

In 2005, on the proposal of the Board of Ulyanovsk businessmen, editors of the encyclopedia "The Best People of Russia" and the Public Advisory Council for the great contribution to the society

consolidation of forces in the development and prosperity of the great Russia was awarded the diploma and the medal "The Best People of Russia". According to the results of work in 2005 V.B. Cherepennikov was included in the encyclopedia "The Best People of Russia".

Biographical encyclopedia of successful people in RUSSIA "WHO IS WHO IN RUSSIA"

(Swiss-Panama Publishing)

Cherepennikov Vladislav Borisovich

Person: engineer-physicist, director of the International scientific organization "Newtonian Society» and «Newton's society." Born: 23/07/45, at the Ulan-Ude. Wife Grishina Lyubov Ivanovna (born in 1954) - director of the market, the architect. Daughter Alla (1974) - administrator of the children's playground "Africa". Parents: Cherepennikov Boris Alekseevich (1915-2005) - Secretary of the Communist Party of the Kiev district of Kharkov, taught at the Department of aircraft structure HAI; Cherepennikova Alla Aleksandrovna (1919-1991) - the teacher HAI descriptive geometry. Education: I graduated from the Kharkov Aviation Institute (1970), specialty "Mechanical Engineer" aircraft. Career: 1970-1974 Kharkov Aviation Plant Engineer; 1974-1978 - Tashkent aircraft industrial association named. Chkalov (Uzbekistan), senior engineer; 1978 - UAPK (Ulyanovsk), Head of Office, Head of department, head of department, 1986 - Deputy Director General; 1993 - employed; 1996 - Director of "Newton's society."

Social activities: in 1991 he was elected director of the International "Newton society" for the work, which is given an analytic solution of the fundamental problem of philosophy and science of the mechanical nature of physical interactions, which explained the phenomena of magnetism, gravity, weak and nuclear interactions. Organizer and participant of international scientific conferences. The invention and patent application the design of opposed two-stroke internal combustion engine, for which he was awarded with a golden medal "European Quality" eponymous International competition. Author of the program of socio-economic support for young people and low-income segments of the population, received approval of public organizations, legislative and executive authorities of the Ulyanovsk region. The program is also reflected in the federal law "On the Public Chamber of the Russian Federation." Engaged in charitable activities, supporting sports in the Ulyanovsk region. Publications: published with the pressing issues of the relativistic theory of criticism in the collections of scientific conferences in Russia and abroad. Publication of the book "Science needs protection" (1991). Awards: Gold Medal "European Quality" - 2006 "(St. Petersburg); the Order "For the revival Russia. XXI Century"; Medal "The Best People of Russia"; winner of the International Competition "Pilar" (2004); Diploma "Leader of the present"; medal of the All-Russian Public Movement "Russian" "For Merit"; Numerous certificates, diplomas and gratitude for their active participation in solving social problems and charitable activities; Honorary Academician of the International Academy for Quality and Marketing. Name V.B. Cherepennikov recorded in the encyclopedia "The Best People of Russia". Hobbies. Sports:

wrestling classic, skiing, skating, swimming. Science: Physics, Philosophy. Foreign languages: Ukrainian, English.

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<http://newtonsociety.ru/science-needs-protection-2017en.doc>

... or death of the missed CIVIDISATION IS INEVITABLE

It is common knowledge that between the orbits of the planets Mars and Jupiter is the asteroid belt - die-hard blocks, rotating as the other planet in a circular orbit. Of the many hypotheses and speculations about the nature of the origin of the belt is the most likely assumption is that once there was the ninth planet of the solar system - the Phaeton, inhabited by people with a highly developed civilization.

Attention to the mythological theme of the Phaeton is not accidental. Prominent figures of science, arts and literature sought to attract the attention of viewers, listeners and readers to the disastrous consequences, which may result in manic activity is not only the gods, but also irresponsible people, especially among the ruling elite.

It is likely that the result of internecine strife and wars are inevitable, according to Marx, under capitalism, for the redistribution of property and world domination, which, apparently, have sinned and Phaeton-ers became nuclear crazy accident of self-destruction of the planet, with all its consequences, was captured in the mythology, ancient manuscripts, cave paintings ...

This story is instructive and edifying. Without a doubt, the terrestrial civilization, driven mad with the governments of inciting and decoupling the world on fire, for

which they are awarded the Nobel Prize, "the world" is moving by leaps and bounds to the inevitable destruction of the planet Phaeton scenario.

There is still a chance for science to save the Earth from a nuclear disaster or death of insane civilization is inevitable

