

E.B. LEVIN

***GOD,
THE EARTH,
THE UNIVERSE...
AND THE DOOMSDAY***

*The philosophical treatise:
Version of the theory of " Stationary Universe "*

In the book "God, the Earth, the Universe and a doomsday" the author represents the vision of the plan of construction the Universe as STATIONARY FORMATION, consisting from ordered definitely infinite (on all coordinates of the Universe) a package from "chains" Magnitoid...

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PREFACE

The motive of this work is anxiety - anxiety for the fate of the good half of humanity, namely Christians.

It seems that 2000 years is a huge period of time and the words, spoken by the creators of Christianity at the beginning of its birth seemed to be not binding to anything. But now is the time... We are on the verge of the "end of the world."

So what? If the "programmed" event does not occur, then its failure for Christian doctrine needs to be explained to the believers. But what if it occurs? (We are talking about the period of time from 2013 to 2060, but it is not the numbers that are important. In more detail it will be discussed in Chapter 4).

This last question "what if it occurs?" has begun to agitate people's minds: unusual situations arise in the life of human society more and more often; and some people try to explain the intensification of natural disasters by the hypnotic influence of the "upcoming" event. Such things as the level of the development of nuclear, chemical and biological weapons, weapons of high energy; the threat of irreversible environmental disasters; the reduction of the Earth ozone layer; appearance of the mutational changes in the living organisms under the deteriorating conditions of our environment, due to which such diseases as AIDS appear; more and more alarming "prospects" of a possible energy crisis in the twenty-first century, as a result of the reduced fuel loads in the world – can lead the humanity to incredible losses.

Whether we want it or not, this gradually worsens the situation, as it keeps the human mind in distress, that is fear of the future. This fear causes profound changes in bioenergetic fields of individual communities, which could lead to unpredictable social explosions.

In the discussion of this topic I had a personal interest, "Is "end of the world" possible from the standpoint of physics of the universe, if we assume that the creators of the Christian doctrine had the gift of foresight?"

Thus, my long (about a quarter of a century) philosophical torment in the annals of cosmology and cosmogony has begun, the results of which I present to your judgment, reader.

P.S. - For the third edition.

So, we “survived” two “ends of the world” (01.01.2000 and 12.12.2012) but everything remained the same... What are theologians supposed to do with theoretical documents, such as the Bible and others? And what is more. The nations of the world should be warned about “hand-made creation of the end of the world”, i.e. world's rebuilding with the aim of obtaining energy resources (*nuclear wars*), ecological balance destruction in nature (*hand-made natural cataclysms*) and other unwise actions of humanity.

I stay at the point of possibility of “the end of the world” for the Earth only on condition that some particular physical processes will become “mature” in the space of the Earth's existence in the Universe (see Chapter 4).

Chapter one **GOD**

Taking into account what has been said in the preface and the principal of respect for the feelings of reverence for God half of human society, we can discuss God only from the epistemological point of view, with the help of which believers stand up for their right to truth.

It is known that the "cornerstone" in the eternal debate between believers and non-believers has been the elucidation of the true picture of world creation. Millennia passed and the humanity enriched itself with great astounding knowledge, with the experience of practical understanding of the world, but still none of the parties could convince the other one of their belief.

Therefore, the following question arises : “Is it at all possible to find out the truth?”

Let's think about it... There is a simple logic problem: which came first, the chicken or the egg?

From the materialist point of view, it is impossible to answer this question: if the chicken was first, then where did the egg out of which the chicken appeared come from, and vice versa.

Then it turns out that the humanity is deprived of the right to know the Truth!

Idealists (the believers) say, "No, truth is the following: God created the chicken, the chicken laid an egg and "The world spun".

The **materialists**, in their turn, **object to this**: "Firstly, it's too easy! Secondly, nature doesn't have any evidence of this!" And they give their own interpretation of the concept of God, which you, dear reader, will find in any encyclopedia (such as *BSE*):

"God is a fantastic image of a powerful, supernatural being, who is an object of worship and faith."

The idea of God as a personal and supernatural phenomena is associated with the level of the human intellect development, when the theoretical thinking and the possibility of thought separation from reality starts to appear: the general concept is separated from the object it denotes and transforms into a special "essence", where some ideas which do not exist in reality may appear.

Above all, natural forces become the object of religious perception, in front of which the weakness of man evoked fear. Inability of a primitive man to understand what was going on was compensated by hopeless perception of the "mystery" of these forces, humble submission of his own existence to the dependency of these forces; not yet separating himself from nature, he gradually translated his worldview to the relations in the primitive community.

Gradually, religion (faith) acquires not only a specific form of social consciousness, but also serves as a regulator of social behavior. With the completion of the historical process of the human civilization formation of the human civilization, religion is formed as a religious and philosophical doctrine of God (theology).

Now God becomes not only the main object of faith and worship, but also the notion of idealistic philosophy.

The following evidences of God existence are presented:

- cosmological - if there is such a chain as world – space, there must be a starting point, the ultimate basis of all things;*
- theological - the practicality in nature is the evidence of its smart creator;*
- ontological - the idea of God as a perfect being presupposes His existence. "*

Yes, it is logical, but nevertheless, who was first, the chicken or the egg?

Materialists have been looking for the answer to this question for centuries (from the era of Livkippa and Democritus to Niels Bohr and modern nuclear physicists) by trying to find the fundamental "stone" from which our universe is built spontaneously.

Advances of modern physics in the theory and practice of elementary particles of an atom are truly fantastic. They led the philosophy of materialism to the notion of substance of the Universe, from the basic such as "Dirac sea" to the physical vacuum that looks like "ocean of virtual particles."

In Latin "virtual" means "possible", i.e. something out of nothing! But the latter is just an idea! And the idea is the same: God also created the *world from nothing* (remember - "In the beginning was the word"!)

What is it, a dead end? Obviously, it is not. In this perhaps lies the mystery of the dilemma: "What was the first, the chicken or the egg?" Perhaps the human mind is not supposed to know the ultimate truth: after "virtual" may follow "super-virtual" particles, and God does not want to share His deepest secrets with man.

Thus, in spite of the endless possibilities for us to experience the world, there will always be the IDEA and GOD in front of us (God and the idea), which determine the level of our immediate knowledge of the Universe.

Chapter Two

THE EARTH

*Devoted to Georges-Louis Leclerc Comte de Buffon,
the founder of the catastrophic concept of the Earth origin.*

The most striking milestone in the history of disputes between theologians (idealists) and materialists in the search for truth, became the middle of the 18th century, when a breakthrough in the questions of our Mother Earth origin was made by materialists.

This breakthrough has been so fruitful that in the beginning gave two very opposing theories about the origin of the planets:

- The first concept (catastrophic) created Georges-Louis Leclerc (1740g.), according to which the planets (and the Earth in particular) are "fragments" of the sun, separated from it by a collision with a comet;

- The second (nebular) created Immanuel Kant (1755g.), which suggested that the Sun and planets be formed from the same cloud of gas and dust.

All the following (even nowadays) numerous hypothesis are based only on these two ideas. However, despite of their variety, none of the conceptions can explain such a phenomenon in the solar system as a ***discrepancy of angular momentum*** of the Sun and its planets (2% vs. 98%, respectively).

A way out should be obviously sought in the combination of features of both concepts.

As a main principle of combining those conceptions the fact was taken that the major formative element in space is the unity of struggle between two opposing forces: centripetal, which attempts to compress any substance in a tight ball; and centrifugal which on the contrary seeks to scatter this substance across the space. Gravity acts as centripetal force, while centrifugal force is represented by kinematics, thermal, electromagnetic and other forces and phenomena.

So, being armed with this key tool in our discussion, let's start with the study of Kant's concept.

According to the nebular hypothesis (Immanuel Kant, P. Laplace, Schmidt and others), gas and dust cloud begins to condense from the center of its dimension. Then, it should be remembered that one of confining forces of the cloud in its "compact" condition must be a magnetic field of this cloud, induced from the general magnetic field of the universe. As a result, the LENS of the magnetic field is formed in the center of the cloud. This lens absorbs the magnetized particles of the cloud (magnetic gradient). The "mass center" of the cloud is formed and a new gravity gradient, which makes the core of this cloud, appears inside.

These two gradients separate the substance of the gas and dust cloud by pulling heavy and magnetic pieces into the mass center. At the same time, thermal convection takes place, when cold upper layers of the cloud (bordering cold space) settle down on the future core of a space object; and in their place the hotter ones come up from the bottom.

The above-described convection in the gas and dust cloud leaves **no chance for spontaneous untwisting of the condensing cloud** because of the change of its capacity (*the figure skater effect*), that leaves no chance for the formation of a "circumsolar disk" which could further constitute planets. **This is how single stars are formed from the gas and dust cloud.**

Thus, according to the "nebular theory", the Sun could not form itself and in addition, a "burden" for itself - the system of planets. Moreover, if we conscientiously examine the surface of the population in the solar system (such as planets, asteroids), we'll be really surprised: "How could craters (almost like on the Moon!) be formed on such a small asteroid as Ida? Is it possible that such a tiny object of irregular shape could generate from gas and dust cloud (Protosun's disk)? "

In addition to this, let's assume that the rings which rotate around the Sun, were nevertheless formed. But it is impossible even to assume that any of the rings' parts spontaneously begins to overtake the others and pull them over by the gravitational field. In the vacuum anything moving evenly (whether it is a rock or a grain of dust), also moves with the same speed. For example, the rings of Saturn.

So, *unfortunately*, the history of the Earth began in some other way!

Let's proceed to the catastrophic theory of planets' appearance in the Solar System (J. Leclerc, J. Jeans and others). All these ideas are not recognized in cosmology, since all earlier assumptions made by in this direction were destroyed. But we will try to make one more attempt to defend this hypothesis.

We will start from the very beginning. First of all, let's remember how the stars are created. The lens of a gas and dust cloud is filled with magnetized elements of the cloud, which start to form "blobs" under the influence of magnetic force and the force of gravitational attraction between the particles. These blobs, having even more gravity force, begin to pull new cloud elements over, get heavier and "settle down" into the lens. Here the process of quick star's core growing starts.

At the same time, we must pay special attention to the fact that the process (condensation of matter) began with the cloud particles capable of magnetization, i.e. atoms of heavy elements. And this, from the point of view of cosmology, gives us the right to get to the incredible ideas, namely, to completely abandon the theory of the hydrogen-helium structure of stars, and to assume that about 75% of their weight is composed of set of the elements of heavier substances from the table by D.I. Mendeleev.

Further discussion we will lead as follows.

If our critics are not satisfied with the direct contact of the Sun and the comet (Jean Leclerc) or the gravitational contact between the Sun and some star (James Jeans), then let there be a direct contact between some other stars on their tangential trajectory, in our case.

This makes us proceed to the star system α Centauri. By the will of "*His Majesty's the coincidence*", our neighbor is a triple star. What if we assume that initially it was a "multiple system," consisting of four stars. And then again, we assume that for some reason (again, the will of the coincidence), this system turned out to be unstable, and at least two of its components descended from their orbits and collided (on a tangent).

Then, after the above described scenario one star should leave the remained pair of stars and go into the open space; and another one, sharply "having lost weight", have not managed to escape from the gravitational field (the hug) of its sisters and remained in the constellation.

This scenario perfectly fits for the star Proxima (low-mass red dwarf star in the constellation of α -Centauri) and Barnard's star, the "flying" star, as it was named by astronomers. This process "gave" to our Sun the building material mass from which the system of planets was formed.

This explains the 98% of the kinetic energy of the solar system.

So, let's continue. Supposing, the **donor of the Sun planets building material has become "pieces"** (formed as a result of collision on the tangent) from the stars "**Proxima**" and "**Bernard**". The collision of these stars took place at the moment (again, by his Majesty the coincidence) when star-sisters were passing the solar Hill sphere. Thus, the "pieces" of the collided stars are carried away by the gravitational field of the Sun and when hitting the space vacuum conditions, immediately (in minutes, seconds or maybe even a split of a second) begin their transformations: big clods (not less than the size of the Moon) of a burning-hot mass under the influence of the aforesaid opposing forces are transformed into planets, the smaller ones (like Phobos). After quickly giving their heat to the vacuum, they freeze in shapeless forms. Along the way, big clods pull over their "small" congeners by their gravitational field; in this way, craters are formed on the surface of big bodies of future objects of the Solar System.

Immediately, as soon as **this initial swarm of the future population** of the solar system came under the Sun influence zone, it began to disintegrate into separate elements, according to its own momentum of movement and force of the gravitational field of the Sun. Obviously, it was during the very first turn, when stationary orbits of these new formations were created.

However, the members of this initial community appeared to be difficult to coexist. Due to the proximity of their orbits and large gravitational field of individual big elements (such as the Earth, Mars,

Jupiter, etc.), they started to modify by absorbing their smaller neighbors. In this way, many planets in our solar system acquired their satellites. In their turn, satellites substituting their loss of independence, brought big changes into the lives of their patrons. They made them change the slope angle towards the equator. For example, Uranus purchased its 5 satellites for the change of the slope angle of its rotation axis towards its orbit by 8° . Therefore, Uranus now rotates as if "lying on its side."

For the Earth capture of its satellite, the Moon, cost the inclination of angle by $23^\circ 27'$. Here is what happened. The clutch of gravitational fields of the Earth and the Moon gave rise to a dynamic process of their mutual orientation. At the time of a complete capture of the Moon, the orientation process was completed by the inclination of the Earth's rotation axis. A sudden shifting of the Earth took place. But (at first) the turn of the the "Earth body" did not influence the water mass (seas and oceans). Due to its fluidity and poor adhesion to the bottom of reservoirs, they **did not react** and mechanically **remained so to say, "in place"**; thus we got the effect of the shores "diving under" the mass of water (the same effect as in a plate of soup, which is sharply turned around its axis). After some time the water subsided again to the shores of its reservoir. Doesn't here lye the mystery the Flood and the Ice Age of the Earth?... *with the change of the inclination of the Earth, the balance of the Coriolis forces changed as well. That changed the configuration of the world Ocean - Atlantis remained under the sea waters of the Atlantic Ocean.*

Furthermore, (to develop the hypotheses), attention is drawn to the similarity of reliefs of visually observed planetary formations - the Moon, Mars, Mercury, Phobos and others. The discovered on their surface craters, mountains, whirlpools could be formed only at the moment of formation the crust of these space objects. Whirlpools and craters were formed by emissions of gases or "bombardment" of yet thin crust of protoplanets, the falling and cool "pieces" from the collided stars. Mountain ranges were formed by changing the geometry of the crust; as the total mass of material cools down, the crust layer shrinks, following the changes of the total size of the planet.

Even in this series of evidences, the Earth takes a special place. We refer to the period in the development of our planet when Pangaea, the ancestor of the present continents on Earth, was yet a monolith (with one side elevated above the earthly ocean). Pangaea proves once again that the nebular concept of the Earth origin is groundless, because how can one even imagine, that under condition of one direction in the condensation processes (in the gas and dust cloud), such a huge side

“bump” could have been formed on the surface of the Earth. However, this can be easily explained by the catastrophic concept. Pangaea is a "makeweight" which the Earth received in the first few hours (days or months), when first kilometers of its crust were quite clearly formed. This "makeweight" most likely appeared from the cool small planet, which had been absorbed by the Earth on its way to the Sun. The further fate of our "makeweight" is approximately as follows: submerging, like an iceberg, into the magma of the Earth, it began to warm up, and after some time it split into separate blocks (shields). As a result of the “makeweight” bringing a imbalance into the course of the rotating momentum of the Earth, these shields started to spread along the surface of the Earth. By this, the balance was renewed and the continents were created.

Out of all the outer parameters of the planets in the solar system, the striking thing is that Uranus and Venus rotate around their axis not in the same direction as the others. This can only be explained by the fact that at the time of the stars collision, the emission of stellar material had a chaotic movement direction of its individual parts.

And the final proof is the magma of the Earth (and similarly, of other planets, since even on the Moon volcanic reactions were observed). It is known that the Sun is 330,000 times heavier than the Earth. If we now take into account the existing point of view in science that the core of the planets was warmed up due to gravitational contraction and nuclear processes within it, then Jupiter, that is 318 times bigger than the Earth, should have become a start long time ago. But no!

So, critical mass of flash, condensated from the gas and dust cloud of the star, lies at a bigger distance: the mass of the gas and dust cloud of the future stars should be close to the mass of the Sun! Hence, the compression of the Earth is not enough to "warm up" its core and magma – consequently, this remaining heat of the “star piece” is supported by the heat generated during the decay of a radioactive substance, located in the core of the Earth.

Perhaps this evidence is sufficient to become a supporter of the catastrophic concept in solar system planetary cosmogony. The only thing that can be confusing in the aforementioned is the collision of our pair of stars. It is really hard to imagine. But how then to explain the appearance of the star Bernarda in a "fixed " sky?

And, as a footnote. I think that a clear confirmation of the concept by J. Leclerc is a meteorite that fell in the spring of 1995 on the territory of the DPRK, for only by mechanical mixing (the clash stars) can be received a mixture of iron and diamonds.

In conclusion, I would like to pay your attention to this chapter and to share some thoughts on the nature of earthquakes. The starting point of our discussion should be the idea of the Earth as a liquid physical body, enclosed in a thin (only 70 miles) and solid shell and that is in a state of free fall (zero-gravity).

It is known that the liquid in zero gravity is seeking to acquire a spherical shape under the influence of gravitational forces which act towards the core of the Earth. However, due to the fact that the Earth rotates around its own axis, a burning-hot mass of its material also acquires a centrifugal force that is trying to stretch it into a disk.

It follows that by the time of the final formation of the planet Earth (and similarly, for the other planets), there is a certain parity between centripetal and centrifugal forces, according to which the Earth has acquired the form of an ellipsoid. At some certain stage its top layer hardened and the Earth crust was formed. It is the so-called thermo-insulating shell that protects the Earth from the influence of the open space.

It is only natural that with time and under the influence of inertial forces, rotation of the Earth slows down (even by insignificantly small amount, but still in the last decade we have already put the clock back twice). The diagram of the forces interaction is gradually changing, with the predominance of centripetal force. This makes magma tend to acquire spherical shape, thus the "leveling" of the Earth's shape takes place which leads to the lift of its poles, due to the magma outflow from the focal regions of the ellipsoid towards center of the Earth.

After some time, a kind of "hovering" of the Earth crust over magma is formed (in particular, the it concerns two sub-equatorial zones) and the crust splits into separate parts, which, so to say, into the magma (study of the ocean floor indicates the presence of such splits; on mainland such a split is observed on the African continent). Thus, the first and the most powerful earthquake took place, which led to the change in appearance of the Earth as well as in emergence of its atmosphere (mixture of the gases that went outside created a "protoatmosphere" around the Earth surface).

Currently, this process occurs in the "softer" conditions, as the crust, split into separate shields has acquired a particular degree of freedom to "look after" the changing shape of magma (it is evidenced by the well-known *fact of "diving under"* of the bottom of the Indian Ocean under Indochina shield; geometric form of the earth undergoes "soft" changes, the reasons and results of which will be considered in chapter 4).

And one more argument in favor of the Earth's seizure of its satellite which is the sudden disappearance of the fossil fauna of the northern hemisphere (mammoths, etc.). I assume that the reason for this is "*diving under*" of the shores of the Arctic Ocean under its ice shield (the mechanics of this process, see above), when ice shield having remained on the ground, crushed all the animals.

Chapter Three **THE UNIVERSE**

Perhaps the most amazing human knowledge is the universe. Even the mere idea of its never-ending abyss, arouses bewildering feelings. But the genius of the human mind never suffered the servility in front of the unknown and man himself stubbornly, pulled literally bit by bit, over the centuries their knowledge about the world of silence (the universe).

Each and every new success of scientific and technical thought pushed the limits of our possibilities to explore the universe. Advances of modern scientific and technological revolution now allows us to observe celestial objects (in our Metagalaxy), which are away from us at previously unimaginable distances – 400 billion light-years (it is $3,784 \cdot 10^{24}$ km; further we will see that it is not that much); to fix the speed of separate lights which is 0.7 - 0.8 speed of light. Moreover, the humanity has already begun to study such unique phenomena in the universe as quasars and "black holes." Foreseeable expanses of the universe (Metagalaxy) in the modern astronomical science has almost been certified. Thanks to the nowadays created sky catalogs, we can focus on any object in the sky, whether it is a far-away galaxy, constellation or individual stars of our Galaxy.

But now, with the development of space technology, with more and more unique devices on the orbit (e.g., space, optical and radio telescopes), with the creation of scientific laboratories on the orbit, the advances in cosmology will be even more astounding, with the discovery of the fundamental laws of the universe.

Hopefully, by that time will be verified two concepts of cosmology - the universe is expanding, and the limit of physical motion velocity equal to the speed of light (now they have acquired the status of laws).

Dear Reader, you have a right to say that to hesitate in the cornerstone is at least not modest, but it is well known that science is full of paradoxes. Let's try it! We'll start with the main point.

The main source of information about the heavenly light sources - is the light or radio stream, received from them. Studying this light beam (stream), using different techniques, astronomers learned how to identify the elemental composition of the heavenly bodies, the physical processes that take place in their interiors, the parameters of their movements in space and other, including the expansion of the universe.

But how much can we trust the light in its story about the universe? Once asking yourself this question, we will unwillingly begin looking for the answer.

First of all, we will note that the light beam coming from a celestial object we are studying is a stream of photons, each of which represents a negligible particle of electromagnetic energy emitted by the atoms of the material making up the star.

This fact, my dear reader, has been known to us from school: the effect of light emission occurs in the excited state (in this case, burning-hot) atom of matter at the time when its electrons, having an excess of energy, begin to migrate from one orbit of their rotation around the nucleus to another. In this case, the excess of the energy potential of the electron (equals the difference in energy levels between the orbits), is freed and radiated into space in the form of a photon. Myriads and myriads of such photons form a light flow, coming from the star.

For our further discussion, the recollection of the nature of light emission is extremely important, because therein lies unreliability of evidence of the universe expansion.

The theory of the "Big Bang", having a difficult path of its development up to the early 30s of the XX century (by A. Einstein, A. Friedman, E. Hubble and others), in the end, turned to the level of foundations of philosophical and methodological understanding of the world. However, it also could not avoid some of the "punctures" of epistemological and methodological character.

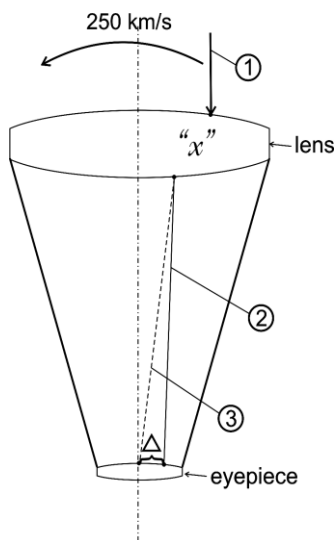
Initially, the fundamental concepts of the universe eternity are refused. It is stated that the universe begins its development from the moment of concentration (collapse) of its material at one point. This means that the universe material is finite (!).

After the Big Bang of the "point" begins, according to the theory, the second stage of the universe development, namely the expansion of the ionized particles of matter and condensation formation of members of

the universe (stars, galaxies, etc.). But this part of the theory also has logical flaws. **Firstly**, the problem of determining the vector extensions is not solved (coordinates of the center of explosion). **Secondly**, from the theory it is not clear what is in front of extension of matter (what is there on edge of the universe?). **Furthermore** – how was for the first time formed a primeval "point"???

In astronomy, as evidence of the universe expansion, was accepted the law of E.P. Hubble, which is based on the experimental measure of the value of the "red shift" of the lines in line spectra of the most distant galaxies. However, during the optical measurement process, E.P. Hubble's method has a number of mistakes of metrological and methodological character.

As an example let's take the drawing 1, which shows that only by ignoring (not taking into account) the influence on the experiment of age aberration of light, for example, for the telescopes with a focal length of 3 m (with an exposure of photographic plates in 1 second) gives the metrological mistake in the spectral lines value by 0.25 mm (see below):



Drawing 1, where:

1. The spatial light beam;
 2. The telescopic light beam;
 3. Geometrical projection of the spatial ray ;
- "X" - the path of a spatial ray in the body of the lens *;
 250 km / s - the speed of galactic rotation of the solar system in our galaxy (galactic aberration);
 Δ – a mistake in the estimation bias.

* We do not know what is happening to the ray on this territory (it is the space of the universe!), but we can say for sure that this ray appears on the inner surface of the telescope as a new (telescopic) source of (the point of) light, which we investigate with the help of oculars.

At the same time, we attach the calculation of mistake in the measuring of the “red-shift” in the experiments of Hubble.

According to the astronomic data, our Sun is at the distance of $R=10$ kpc (kiloparsec) or $3,08568025 \cdot 10^{17}$ km (1 parsec equals $3,08568025 \cdot 10^{13}$ km) from the core of the Galaxy, where the speed of the galaxy rotation of the solar system is 250 km/s; “c”(light speed) – $3 \cdot 10^8$ m/s.

Focus distance of the telescope is 3 m.

Then, the mistake Δ (galactic aberration) in the measuring of the “red shift” during the time the ray goes through the telescope will be as follows:

$$\Delta = 2,5 \cdot 10^5 \text{ m/s} \times (3\text{m}/3 \cdot 10^8 \text{ m/s}) = 2,5 \cdot 10^5 \text{ m} \times 1 \cdot 10^{-8} \text{ (the time of the ray going from the lens to the ocular)} = 2,5 \cdot 10^{-3} \text{ m} = 0,00025 \text{ m} = 0,25 \text{ mm}$$

But we also need to take into consideration the yearly and daily aberration...

And further comments to the drawing.

The fact is that E. Hubble approached the experiment hastily, without a detailed analysis of it, and, therefore, he *did not notice the methodological mistakes*.

The experiment is based on the comparison of two snapshots :

- the "working" one - obtained by photographing a weak light source with the help of intensification systems of the light flow - a telescope plus a very long exposure of photo-plate;
- the "sample" one - obtained by a powerful light source (from the electrical spark between iron electrodes) at a very short exposure of photo-plates and, most importantly, without intensification systems of the light flow (mentioned above).

Nature of the mistake is in the following. Once a spatial light from a celestial object touches the outer surface of lens (objective lens of optical telescope), it loses its "freedom" and *becomes an optical ray of telescope*.

Here we do not analyze what happens to the spatial light ray as it goes through the lens, but after going through the lens, *it forms a luminous "point" on the inner side of the lens*. Thus, at rigid optical system of the telescope (lens, tube, ocular) is formed its own light source (luminous "point" on the inner surface of the lens of telescope), from which a beam of light, after overcoming the focal length of the system (the inner microcosm of the telescope tube), falls on the telescope ocular and then on the photo-detector. In this case, in order to "eliminate" the influence on the process of photographing the daily and yearly aberration of light (the influence of the Earth rotation and its movement around the Sun), a special clock mechanism is used in the telescope. It continuously monitors the external light source through automatic pointing of the telescope called an investigated celestial body.

However, these tricks only aggravate the results of photographing (now it is clearly where those 0.25 mm came from). The optical ray flying freely in the telescope tube is "mechanically" not connected with the rigid system of "lens – ocular", but the system has its own independent moves, which is perpendicular to the movement of photon flow of the optical ray. Thus, the shift takes place (mistake, $\Delta = 0.25$ mm for our telescope).

If we consider that, in practice, telescopes with a focal length of more than 3 m are used and the time the photo-plate exposure is also much more than 1 second, and plus blunder of yearly and daily aberration of

light, then a question arises: "*What are we measuring* - the resulting vector of astronomical aberration of light or marking the expansion of the celestial bodies? - (removal from us?)".

This mistake is easily corrected if we get the "sample" snapshot with the same telescope, i.e. the ray of the "sample" source must be direct to the same path as the "laborer" ray. We get a totally different snapshot (a new "sample") that contains the same mistakes as the "laborer" one. Then at a comparison of the two photo-plates, systematic mistakes of two images are mutually excluded (they kind of kill each other).

Only after this any reliable conclusions about the expansion of the universe can be made.

And now one more "puncture" in the theory of the "Big Bang" which is "constant" of light speed "c".

Let's take the famous formula of Einstein's $E = m \cdot c^2$ (1).

From this formula, we find that the constant of light speed equals to:

$$c = \sqrt{\frac{E}{m}} \quad (2).$$

However, till now, the science did not manage to establish the weight of "corpuscle" of a photon, i.e. at present it equals to zero ($m = 0$). Then the formula (2) takes the following form:

$$c = \sqrt{\frac{E}{0}} \quad (3),$$

and it is a mathematical absurdity, for it is impossible to divide by "0".

Formula (3) is not new to us: A. Einstein himself confirmed its relevance. However, this mathematical misunderstanding he considered to be temporary and hoped that soon the mass will be found. For me, this formula has become the push for the following research.

It is considered that the photon lives its physical life in two ways - as an electromagnetic wave «» and as a particle (corpuscle) of energy "Eph," respectively it is described by the formulas:

$$\lambda = \frac{c}{\nu} \quad (4) \quad \text{and} \quad E = h \cdot \nu \quad (5),$$

where: ν - frequency of energy fluctuations.

Let's transform the formula (5) through the formula (4) and we will get the new formula of energy of a photon:

$$E_{ph} = h \frac{c}{\lambda} \quad (6),$$

where: E_{ph} – energy of a photon;

c – a constant of a velocity of light ($3 \cdot 10^8$ m/s);

h – Planck's constant ($6,6 \cdot 10^{-34}$ Js);

λ – Length of a wave.

For a while we will leave the formula (6) and ask two questions:

- In generally, does the photon move or not?
- If the photon moves, then how does it move?

The answer to these questions was unexpectedly discovered by the formula (6), from which it is visible that its content is defined by a variable value « λ » (regarding the variation of the wave length).

In this case, it is quite obvious that *extremum for the formula* (6) will be the next wave lengths (this is even impossible to imagine, but nevertheless, the formula demands it):

$$E_{max} = 3 \cdot 10^8 \text{ m} \quad \text{and} \quad E_{min} = 3 \cdot 10^{-18} \text{ m (3 attometrs)}.$$

By conducting not difficult calculations, we find the following marginal values of the photon energy:

$$E_{min} = 6,6 \cdot 10^{-34} \text{ J (6a)} \quad \text{and} \quad E_{max} = 6,6 \cdot 10^{-8} \text{ J (6b)}.$$

According to the latter, it is easy to imagine that the photon and its potential energy can be many-sided; which means that along with the extreme parameters, it can have any transitional parameters between them of its own energy potential – ($E_{max} \rightarrow E_i \rightarrow E_{min}$).

Where to look for maximum energy of the photon is quite clear - this is the level of excitement of the atoms of the luminous body (the energy transfer process of quantum transition of electrons into atoms).

A minimum potential of to be found in the subsequent fate of the photon (after its release "from the embrace of the atom").

Once on the freedom, the photon is absorbed into physical vacuum of the universe. The materiality of the universe is manifested through effects on photon of gravitational, magnetic, electrical, and other (not yet known to science) physical fields. For us, it is very important to remember that the physical vacuum is "comprehensive". It fills in any, even tiny spaces of the universe, including inter-crystalline spaces molecular of substances. Consequently, the contact of a photon and the physical vacuum of the universe begins from the so-called "doorway" of its house, as soon as it starts to "open" from the excited atom of the substance of the light source. We will not go into a long debate about the veracity of these philosophical arguments, but just show their results: the physical vacuum for each action (appearance in him) of the energy potential photon reacts by its transformation (immediate process).

The following occurs: to receive a "guest", the vacuum possesses a photovoltaic field with energy potential opposite to the photon potential. At this, the volume of **photovoltaic field** is endless (denoted as: " $-\infty E_{f.p.}$ ").

Consequently, with the help of « $-\infty E_{f.p.}$ » the physical vacuum makes the photon (immediately, from the very first seconds of its existence) conditions that it cannot just "walk" across the expanses of the universe, for the universe does not like "useless" objects. Therefore, taking into account its natural characteristics (see formulas 6a, 6b), the photon is to take an active part in the management of the thermodynamic equilibrium (entropy) of the universe.

How does this happen?

Photon being a particle (quantum) of energy, excites the vacuum (that very first part of the external environment in the molecule – its crystal lattice). But the vacuum does not want to obey to "the alien", exempt from its charms and restores the initial state (« $-\infty E_{f.p.}$ »).

The freed energy of photon in its turn "attacks" the next area of the vacuum and so on. This process can be compared to a metal tube filled with fluid, the beginning and the end of which are tight with thin rubber band. If one presses the rubber band on one end of the tube, on the other end its "sister" will makes the same deflection.

Consequently, the motion of a photon is nothing more than a process of a serial transmit of photon energy in space - from one part of the physical vacuum to another (*let's call them "capsule" and denoted with "c"*) – for energy the photon they are like resistors (R_{LC}) with dimensions $3 \cdot 10^5$ km. Then we can assume that the "constant" of light velocity represents the size of the "step" of a photon (the length of the responsive "tube" or capsules "c"), by which it measures the way to the universe.

From the above mentioned we can conclude that the main motion of the photon distribution in the universe is PV energy; **takes place permanent exchange of energy between separate parts of photoelectric field of the universe**, which for these forces act as resistors, providing discharge electric potential of the photon. This means that if the quantum the photon energy has any mass, this mass "**distributed**" along the "capsule" (resistor R_{LC}), and, accordingly, becomes first of all, not visible for external observation (obviously, this is the reason for impossibility to define the mass of photon, for the mass of "capsule" needs to be defined first); and secondly, the energy quantum simply can not **move faster** or slower than the *speed* (time) **recharge** of "capsule" of photo-electric field

(it appears that the formula $E = m \cdot c^2$, at least for the mass of the photon is wrong?).

For discrete light source (excited atom) "capsule" is represented as momentarily formed sphere (ball) from the photoelectric field. But if one puts such a source at the focus of the reflector, then the sphere will be transformed into a straight beam of light (the sphere is "stretched" and the energy pack becomes stronger).

For large light sources (like the Sun), which emits a very dense stream of photons per every square millimeter of the surface, the formed spheres are "pressed" and "stretched" into a ray (the more, the merrier!).

Let's continue the life story of a photon.

Giving the photon from "one hands to another" (from one "capsule" to another), photoelectric field performs a particular work, which, of course, requires a certain amount of energy. The physical vacuum of the universe is "greedy". It does not want to share what belongs to it (and where should it get extra energy?). Therefore, the photon, for his desire to "walk" across the expanses of the universe («*open space*»), pays a certain fee and the photon does not mind paying, but it needs to pay the minimum – within E_{\min} .

The question is: "How long can this exchange continue?" Obviously, to the end photon's life. This means that a photon gradually "lose weight" on its way, and, after having spent its energy reserves ($E_{\min} \rightarrow 0$), it vanishes in the universe, giving its last "sigh" to the "capsule", that appears at the end of its journey.

Thus, a photon throughout its life in outer space is being "prepared" to gradually fade away and "voluntary" depart from life (perhaps this can explain the presence of waves "relic" in space, as a result of the loss of the photons primary energy to recharge "capsules"). But this death is the anthem to life! Because its entire life (all energy without any remains) photon laid on the altar of regulation processes of the thermodynamic equilibrium of the universe. And while the photon warms up the Universe, the biological life forms in the universe have hope for the future.

A few words about the life of a photon in open space. If we compare the values of formula (6a and 6b) and the size of the "capsule", it is easy to calculate (out of the relation "c": $c \times E_{\max} / E_{\min}$, that the length of the "run" of a photon (in theory) can constitute 3×10^{31} km (about 10^{18} light years). This is obviously the maximum possible (by the radius from the Earth) highlighting of Metagalaxy. Moreover, we should note that everything said above about the life of photons in open space (the physical vacuum of interstellar space of the universe) refers to the

«*primary photons*», i.e. to those photons that are produced in the interior of the stars, as well as in a fire or electric light bulb, etc.).

Now let's consider the relationship between the photon and compact physical objects ("*closed space*").

In this case the conditions of the "run" of a photon are changing dramatically, as *conglomerate* of crystalline lattices of *molecules of the physical body* (matter) are "**a maze**" for a photon.

We previously have said that loose (interatomic) spaces of the "maze" are also filled with the physical vacuum of the Universe (closed space). That means that the photoelectric field goes through this substance as well. Consequently, the photon has nothing else to do but to "go" through the barrier traps made of atoms of the crystal lattice material (glass, water, etc). And if the photon does not go through the maze, it remains in it forever.

In the case when the "maze" is impossible to go through, the photons of a light ray, illuminating the physical body, "brake" at the entrance to the maze. Their "accumulation" on the surface of the body occurs, as a result, a surface potential is created here (*a kind of a "clod" of photoelectric field*). The latter creates a condition in which some photons go inward of the maze, **others collides with the "clod"**, reflect from it (as "potential – twins"); still others if body size is smaller than the clod size, slide on the sides of the "clod" and bypass the "maze"... (Diffraction of light).

The reflection and diffraction of light seem to be clear. But what happens to the photon when it goes into the "maze"? We need to additional explanations.

Thus, the following occurs to the part of initial photons that illuminate physical body and have to implement into the impassible maze.

The primary photons that form the aforementioned clod of photoelectric field on the surface of the maze, try to go through the crystalline lattice (if the size of the maze is bigger than the size of the clod, then they are joined by those photons, that could bypass the maze with the help of defraction). However, atoms of matter of "maze" (especially those who are on guard of "entrance" to the "maze") are actively "hunting" on the photons, capture and "devour" them, getting the energy from this.

The latter leads to the excitement of the atoms and to the development of the process of quantum transition of their electrons, that inevitably produces the effect of a new "light emission" - emission energy of "*secondary photons*", the energy of which is certainly much lower than the energy of the primary photons.

Such energy level of the secondary emission of photons comes from the fact that a part of initial photons energy is spent by the molecules of matter of the maze on the inner necessities. Therefore, the energy balance of the secondary emission depends on the energy level of the initial photons (the examples of this you will see below).

So, we found a new plot in the life story of the photons. Its life is diverse.

If photon life in the open space is quite clear and simple, from the very first minutes of our acquaintance with the "maze" we see that the relationship between photon and closed space are complex and diverse.

Fundamental role, as we shall see below, in the variety of relationships of the photon and "**closed space**" plays the physical state of matter (gas, liquid, or solid bodies), geometry dimensions (molecules, dust, sand, etc.) and nature (living or non-living things of the universe) of the physical body. With every of the above mentioned representatives of matter in the universe, the photon has "established" special relationship, some of which may delight you.

Human delight was mentioned on purpose.

The fact is that the science research of the photon nature and its physical manifestations in the environment is based only on instrumental methods. But so far no one paid attention to such a unique organoleptic instrument as the human eye. Its unique abilities allow us to make fundamental conclusions on such terms as "light" and "color" (it is them, that cause human delight).

Let's start with a little biological experiment.

It is noon. A sunny day. We are at the farm of roses. On the fields in front of us, there are roses of white, red and black colors .

Let's close our eyes. Now we can only touch the roses, they are all for us equally thorny. By our skin we can feel the impact of warm sun light but the environment for us is a total darkness. Suddenly, my dear reader, you feel a burning pain on your cheek. You lean back sharply, open the eyes and see that your colleague in this experiment, using a biconvex glass lens, collected the scattered rays of the sun into of light beam and it made your cheek burn.

The second time we visit the rose garden at night. It is a moonless night, but there are billions of stars in the sky. We see that the plantations of red and black roses are virtually indistinguishable. They are both black. And the plantations of white roses are still slightly white .

Now let's summarize the experiment:

- We see light only due to the unique ability of human visual apparatus (and of some other higher animals; let's recall bats who can "see" only sound echo!);

- The power of light depends on the power of the light source (in the experiment skin burn is caused by a glass lens, which gathered the scattered sunlight into a concentrated beam of light);

- The impact of the same luminous flux (photon energy) for various physical composition of the body (for example, the petals of white, red and black roses with a certain set of internal physical and chemical differences - molecular structure object) gives different effects of "maze", "equally thorny" bushes of roses have a different color of the petals;

- The environment is constantly filled with "the light" (photoelectric energy field, we bathe in it). When the eyes are closed (in the afternoon), we feel the energy of the photons through the influence of it on the "maze" of our skin, but at night it confirms the white rose (white rose and night remain white). The latter (white Rose - night) gives reason to believe that the eye sees (perceives) only the coming to it clod flux of photons, confirming source secondary photons, coming to us from the physical bodies (ie the internal energy of the "seeks" out);

- The color of the physical body (in this case, the petals of roses) depends, first of all, on the strength of the light flux of the incident on maze (metamorphosis color of a red rose at night and during the day); secondly, the energy of the emission of secondary photons which is perceived by human eye (let's remember about daltonians; observe the flowers at dusk or illuminate them with the light from an artificial source at night). Explanation of this is below:

- For the black rose petals during the day and at night the energy balance in the interaction of a pair of "photon - atom maze" consumer always - atom "maze" it almost completely "eats" the photon energy, to use it for their own needs (at night, it must have lived "hand to mouth"). This suggests that the energy of the secondary photons black rose or negligible (close to Emin), or radiation is in the form of "invisible" for eye-wave long-wave range. That's why on cottage the summer water for shower heated in the barrels, painted with black color;

- Redrose petals for the energy balance of the "photon - atom -maze" has an intermediate level: in the afternoon — red color; at dusk – approaching the cherry color; at night - black (about the reasons of such metamorphoses we have already mentioned above. Approximately the same situation is with other colors: blue, green, etc.);

- The energy balance of the interaction of the pairs of "photon - atom maze" for white rose petals is as unique as the black rose, but with a totally opposite tendency; they are sicken by photons. Therefore, at the daylight time (when the photon energy is big), white petals almost entirely reflect the primary photons (recall the "clod" of photoelectric field). From the above said, it becomes clear why we should wear white when standing in the sun.

At night, receiving the weak primary photons as "guests" and after getting from them "aesthetic pleasure" they are exempt from the rest of the energy in the form of emission of secondary photons - thus we see at night slight color white roses. This tells us that the photoelectric field is never "free" from photons.

Consider the following phase of the photon interactions, namely, its interaction with gas and dust cloud – the dispersed form of "closed space".

According to the composition of the cloud is dispersing solids subtleties that make up the clouds, and the specific density of the volume substances gas and dust clouds represent a "maze" of varying complexity their overcome:

- easily passable "maze" ("transparent");
- "maze" passable with difficulty ("half-translucent");
- not passable "maze" ("non-transparent").

Thus, the flow of sun light (rough river the photons) enters the ocean air of the Earth.

Here we have the opportunity to observe (from the inside) unique march of photons through ocean atmosphere and appreciate the diversity of "relationship" of photons with dispersed forms of the "closed space".

Atmospheric ocean in its basic structure (78% nitrogen, 21% oxygen and negligible amounts of other gases), which has a low density, provides photons with virtually transparent "maze."

Their hike (from top to bottom) in the atmospheric ocean of the Earth (the initial (first) stage) photons begin, so to say, with the "warm-up" activity, for their first contact with the atmosphere "transparent maze" is: geo-corona → ionosphere → upper areas of stratosphere.

This area is the low-pressure hydrogen (the "traces" of other energy active molecules and atoms of light material are possible. Here the role of the photon is not visible - via his soft "suave" character (diffraction), the photons are able to avoid the "collision" with rare "targets" of the "maze" of atmospheric ocean.

And yet photon here works too, but a photon of another kind. The thing is that in parallel with the photons in the area of the atmospheric ocean corpuscular rays bombard of sun energy carriers - protons, electrons and nuclei of heavy metals. Corpuscles not have the ability to diffraction and therefore "sweep away" everything in its path, leaving the bulk of their mass completely perishes (annihilation of with suspensions "targets") is already in the ionosphere. As a result of the annihilation of the corpuscles are observed aurora - it's the a primary emission (new) of photons ("targets") signal us about the processes occurring in the stratosphere under the influence of corpuscles "solar wind."

The next (second) stage photon passing the atmospheric ocean of the Earth: out of the stratosphere (about its center) → troposphere.

Here begins a sharp increase in atmospheric density (the number of "targets" in unit increases the volume). Closer to the Earth surface photons are increasingly beginning to engage in "direct" contact with the molecules and the individual particles of matter (dust particles, the origin of which is well known).

So, on the way of photons movement comes the moment when the distance between "targets" reaches the size at which the most hard photons (ultrashort wavelength range, i.e., ultraviolet photon energy) can not bypass the "target" by means of diffraction, because length of their waves do not fit into the space between the "targets". The fate of these photons is to be captured in the "captive" by the atoms of the "targets".

The separation of stream of photons begins. Those that are unable to implement the "maneuver diffraction" are trying to "break" through "mikro maze target", but the atoms of "target""eat" them.

The latter increases the targets' balance which enables it to "transfer" (the transfer of the oxygen into ozone) or to "show off" by giving off the next portion of secondary photons which have a particular (for the perception of the human eye) color (it is this process that explains the blue color of sky).

As for the dust particles (the particles of matter, in the form of conglomerate of several molecules) that may already appear on this (second) phase of the photon passing the thickness of atmospheric ocean. We should assume that the "hard" (energy-intensive) photons, with an ultra-high vibration frequency of their waves energy can not quickly "deal" with the direction of passages in "micro maze of the target" and get "stuck" in them, thus eventually making the "micro maze" not passable. The "target" is overwhelmed with energy of subsequent photons and

annihilates. In this way the cleaning of the upper layers of atmosphere from the dust.

Third stage of passing the thickness of the atmospheric ocean: troposphere → the Earth surface.

This area of the atmospheric ocean is different from the previous ones by even greater concentration of "targets" in the unit volume of space of the troposphere, and also by the presence of wandering "mazes" (clouds form pinnate to thundery; clusters of natural and industrial dust).

All this leads to the further reduction in the transparency of our main "maze" (Earth atmosphere) and sets before photons different "jigsaws" to overcome obstacles in the form of wandering "maze." In addition, there is one more difference, namely the structure of photons, which have reached the troposphere part of our main "maze".

As we explained above, the toughest part of representatives of the the primary photons flow was already dropped out at the previous stages (the major separation of ultraviolet rays). Consequently, with the "maze" of the troposphere are interacting the photons with energies below the energy of ultraviolet rays. But on the contrary, with a bigger wavelength. It is those last ones that determine the specification of the interaction of the remaining photons with "maze" troposphere.

The specification is in the following.

Since the "maze" troposphere is a fairly dense mixture of large molecules of gases (nitrogen, oxygen) and solids (dust, humus and other substances of natural and industrial origin), then its energy capacity has large reserves.

Further happens the following. Photons having reached the troposphere have weaker energy than the previous ones, the length of the waves is much longer than the size between the "targets", but the energy of the photons is spread along "the capsule" (we have already talked about this earlier). In this case the energy of the photon "covers" the "targets" that meet it, and they, in their turn, are trying to wrest from photon some piece of energy. Not used (in the "capsule") energy of the photon goes "to bottom" and contacts with a number of "targets" from this row, etc.

Thus, the primary photon, if energy is enough, maybe even "wounded" (that is in a weakened form) can reach the Earth surface and take part in covering it. If the energy of the photon is completely absorbed by his column "targets", which happens during its passage from the upper troposphere to the Earth surface, the photon disappears.

But the energy of the primary photons does not disappear - it is partly recycled into the environment of the troposphere as secondary

photon emission of atoms which radiate "targets" of the absorbing column. This process is the basis for the concept of "light scattering", the essence of which is as follows: beam primary photon is excited in the column absorption and arises secondary photons that are emitted in curved side and excite the atoms of neighboring regions of the atmosphere.

So, we sent him a photon from outer space through the thickness of the Earth's atmosphere to her the surface along the normal, through our "main maze." But we have an opportunity to consider another way of a photon - on the tangent line to the surface of the earth (this is unique episode to the human eye at sunrise and sunset).

The peculiarity of this moment is that at the time of sunrise or sunset, the Sun begins to pass the horizon line of its edge, primary flux its photon. Therefore, occurs the following situation - comment on the example of the rising sun.

What is the mechanism of dawn? There are two gradually happening light-provoking mechanisms that take part in this process and influence "targets" of troposphere in our location.

The first mechanism is a chain reaction (from each other) of stimulating the "targets" of troposphere from the place of the Earth's surface which currently is being lit up by the Sun (it is lower than the horizon) till the place of our location. A major role in this process of permanent stimulation at the initial period of dawn plays secondary photons transmitting (from one area to another, according to the principle of "light scattering") the energy of the primary photons of the Sun to our part of troposphere: the closer the Sun is to the point of sunrise in our sky, the lower the quantity of "targets" recharge in the depth of troposphere that lies between us and the lit up (over the horizon) surface of the Earth and the bigger the energy of the secondary photons is, and the brighter it becomes in place of observation (and at sunset everything is vice versa).

Thus, the first phase of dawn is provided by the increase of the radiation power of secondary photons of the Earth's troposphere, as the observation point approaches the Sun.

The second mechanism. Gradually the process of dawn is approaching the time of sunrise (the appearance of the first beam above the horizon).

First of all, we establish that the sight line (from our eyes through the point of an imaginary horizon) goes to infinity (the stratosphere → ionosphere → space), since starting from the point of the horizon the Earth surface goes down along the radius of the Earth.

In its turn (in about half an hour before the appearance of the sun disk on the sight line), the vector of the first beam of the sun (as soon as it stepped out of the shadow of the Earth), so to say, runs from the bottom-up through the depth of the atmosphere to the point of intersection with the sight line and then (again through the depth of the atmosphere, but this time above the sight line) into space. In other words, at that moment a ray of sunshine goes along the Earth's surface by the tangent line (dual path in the troposphere of the Earth).

The uniqueness of this phase of sunrise is that the Sun in this case plays a role of a lantern, illuminating the stage action that is being performed on the "screen", so to say at the bottom. This effect is especially clearly seen when some objects appear on the top of the "screen". The most colorful at this time look cirrus clouds, aircraft ... Gradually sky gets painted in the range of "warm" colors (from pink to gold) and (with the rise of the Sun) transfers into white and sparkling colors.

Further turn (roll forward) of the Earth to the Sun (up to the point of the zenith of the Sun in the sky) leads to an increase of the angle of sunlight falling on the Earth surface, and this allows troposphere to increase the energy balance of secondary photons by enlarging their surface that in its turn leads to: firstly, the increase of the visual effect of the level of ambient light; and secondly, it causes a tangible effect of the increase of vapor's heat balance "the Earth surface - the air."

Now is the time to consider separate relationship between photons and a "wandering mazes": clouds, gas and dust formations.

Let's imagine that we are at the airport. We need to fly to another city. It is noon and cloudy. It is about to start drizzling, but the flight is not canceled. The plane takes off up through the clouds. There is a gray mist behind a porthole. A weak light beam breaks through the porthole. This light beam gets brighter and brighter... And suddenly, the plane is illuminated by bright sunshine, the sky around is bright blue, and we can see dazzling white tops of clouds below us.

What can we say about what we have just saw?

For convenience, we will start from the top.

Taking into consideration huge size of a cloud, as well as its structure (rain, snow), the photons of light flow must push their way through, but their attempts to "take over by power" such a powerful weapon (structure) are in vain, as their are "ruthlessly gobbled by atoms of "targets" of our "maze" (we have already considered a situation similar to this).

In their turn, the atoms of "targets", having received and processed some energy of the photons, start the emission of secondary photons into the environment, as well as into the "maze." But these secondary photons have the same fate, namely they are also "gobbled" by the "targets" of the lower layers of a cloud. Thus, it turns out that the energy of the primary photons, from layer to layer through the entire thickness of the clouds, kind of transforms into the energy of secondary photons and gradually approaches (with loss of energy) the areas of airfield, from which our plane took off (therefore, it is cloudy on the airfield).

But in the process of the plane take-off to the required level through the thickness of the cloud, we note that the closer we fly to top of the cloud, the brighter it gets in the aircraft, and the cloud is becoming clearer and brighter. Finally we fly out of the clouds ... our plane is embraced by the bright rays of the sun, we are flying in the blue sky and we watch fantastic sparkling-white tops of the clouds.

So we are at the finish line of entertaining stories about the life of photons in a physical vacuum (closed and open space of the universe). We got a huge information file, the conclusions and summary of which seem like some theoretical postulates:

- The basic criteria for the epistemological concepts of the theory of "Big Bang" (the expansion of the universe, the constant of light velocity) are barely studied and, thus, can not be considered credible;
- The constant light velocity "c" as a physical concept of "relative velocity" is absent in the nature. Light in the Universe is spread due to such a feature of the physical vacuum as to create on its way discrete structures of photovoltaic field "capsules", which are resistors (R_{LC}) with the size of $3 \cdot 10^5$ km for the energy of photons. In this case, the process of "photon movements" is done by permanent recharge of "capsules" by its energy, which takes a particle of photon energy (E_{min}). Every particle of photon energy left in "capsule" is its contribution to the regulation of the thermodynamic equilibrium of the universe;
- The intensity of the light (illumination) is nothing but the energy level of photons that make up light flow. ***Forms of photon existence in the energy aspect are diverse: $E_{max} \rightarrow E_i \rightarrow E_{min}$;***
- Color - is the degree of photon energy absorption by its transferring object. In other words, the atoms of a green leaf and of a red rose petal, having absorbed a quantum of light energy flow (of primary photons), leave a portion of energy to support plants' life, and the

rest is emitted (as we say "reflected") into the space in the form of secondary photons. ***Radiation energy of secondary photons defines the "color" of the object under our observation.*** Color, in general is the feature of the visual system, as a response to the energy level of the photon (or maybe it is a gift of God?);

- One of the main *substances of the physical vacuum* of the Universe is a photoelectric field, which plays a major part in the distribution and utilization of photon energy between the subjects the universe population (including living matter);
- The formula of energy ($E = m \cdot c^2$) of Albert Einstein as applied to the photon does not have any physical meaning, since the photon mass is in the form corpuscles and is not defined. Then it may be possible that the speed generally is unlimited ... and ***teleportation*** in the universe, as a means of mass and information energy transportation take place (!?);
- ***The photon energy creates habitats in space of the universe («- ∞E f.p.» one of the oceans of the physical vacuum of the universe), without which the material objects of the universe would stop to exist*** because the exclusion of this energy from the energy balance of thermal equilibrium of the universe would lead to its regressive entropy (the theory of the "Big Bang" - the volume of the universe tends to infinity: $V \rightarrow \infty$, then the entropy tends to zero: $S \rightarrow 0$). ***Last result leads to "freezing" of the physical vacuum of the universe*** - temperature tends (almost) to the "0" K, that would result in an outflow of internal energy of the substance in the environment and, in the end, to the destruction, first , valent , and then the ties nuclear structure of compositions of matter, ***that will define the decay of its structure into the tiny pieces, up to quarks...*** A sad outcome...

Such an outcome and "inconsistencies" (taking into account logical theory mistakes of the "Big Bang"), of the existing theories of the knowledge about the universe tell that on the eve of the third millennium, after more than three centuries (from the moment of cosmology becoming a science: Copernicus, Galileo, Kepler , Newton ...) perhaps it's time we got to the new concepts of the universe construction.

In addition to this there is one more argument. Whether we want it or not, but in our judgments we have to rely on the opinion of a huge contingent of humanity, which checks their thoughts and aspirations with

the omnipotent and *omnipresent Lord GOD*, their (or our?) Heavenly *Father*.

In fact, if we stay on the positions of the "Big Bang" theory, then there is absolutely no ground to talk about eternal *Paradize*, because collapse of the Universe would "to grind to powder" all the living and the dead. Then, the question arises: "Could *Lord God* when creating the *Universe*, the Earth and human make a mistake and run the process of their further development in such a way that *He* Himself would have to die at collapse of universe? "

Of course not! That is why, the latter one more time confirms the need to find new ideas of *world* construction, including the ideas of a "theory of *stationary Universe* construction."

In order to do this, I suggest we go 10 centuries back, where we will see that the scientific world of that time believed the Universe to be unshakeable stationary creation of God. The role of *Creator* we will discuss in Chapter 4, but the term "*Stationary Universe*" I offer to discuss now.

Simplicity of the theory of "Big Bang", mathematical tools applied to astronomical observations in the light of the Metagalaxy experiments on "red shift" by Hubble (the ease of operating), plus the stunning conclusion of the "General Theory of Relativity," Einstein. All this, obviously, played the role of "personal censorship " for philosophical glimpses, if anyone had them despite the conventional concepts.

Therefore, let's think that we overcame a "personal censorship " and, based on our position in the cosmogony (see Chapter 2) assume: "What if at certain points of the *Primeval Universe* and in a strictly defined sequence substances are located in the form of unimaginable (for human mind) compact giant "formations" (*control points* of the universe), performing the function of *Magnetoids* (see Figure 1 .. 5 below). Moreover, suppose that our *Mighty God*, has finally allowed us to touch his sacred thing: *his plan* of world construction.

Now, let's proceed to a detailed examination of our hypothetical assumptions on the structure of a stationary universe (of our supposed universe). In this case, it should be noted that Albert Einstein, in his early academic career was inclined to believe the universe to be stationary.

Let's consider the key issue, taking into account two epistemological concepts that exist in our society.

Let's start with *the idealistic concept*. We have already mentioned that *God is not a supporter* of the theory of the "Big Bang" and He, when

creating the *world*, could not accept the destructive component ("collapse"), for this would have led to the death of *Paradise*.

As for *the materialist conception*, the theory of "Big Bang" is silent (another mistake of this theory) about the causes and forces that could make huge matter of the universe turn reverse and die in the "collapse."

On the grounds of the last two theses, we have every reason be brave and to suggest our variant of the stationary universe construction (each of you has a right to have their own point of view!).

And so, the question is: "*How did it all it start?*"

First of all it is necessary we limit ourselves, we should bear in mind that "it is impossible to understand infinite things" and the universe is infinite! So, let's limit ourselves and consider only that area of the Universe, where once started mankind (and, moreover, where our paradise is). Now we can dream up.

Imagine that originally "our primeval extent" of the universe represented a kind of "emptiness." According to the concepts of modern physics, the universe is a physical vacuum with the full range of its components: "Ocean of quarks" (their main natural charges are: " $-1/3$ " and " $+2/3$ "), where quarks are wrapped by a "fur coat" of virtual particles; various force fields and the other (it would be **correct** to **call** it **ether**; ether in '**vacuum**' is something that can be **called matter**!).

Under "normal" time-space conditions (ie, without any perturbations), such an "*ocean of quarks*" could go on forever, because the "fur coat of quarks" (cover made of the virtual particles) does not allow quarks to create stable elementary particles protomatters, out of which in the future (under certain conditions), the atoms and molecules of matter of the universe are composed.

So, *what has evoke this "perturbation"*? In my opinion, it is the temperature of the space in the universe. Let's assume that the temperature of the universe began to go to about "0" to ... "-1" K. Obviously this has caused for the space a certain structuring process in the universe, something similar to the *crystal lattice*, in the nodes of which appeared conditions that allowed the *nature of the universe* set up conditions for the formation of "*reference points*" (Magnetoid) as "*reactors*" capable of reproducing the material substance in the universe.

Drop in temperature, likely contributed to the suppression (destruction) activity "coat quarks" and "reactors" (protoyadrah) began the process of condensation of quarks to transform them into material substance: the union of three " $-1/3$ " gives the electron, the union of the two " $+2/3$ " gives a proton plus a bundle of energy (the sum of the

thermal, magnetic, and electrical), the union of three different quarks (one $+2/3$ "and two" $-1/3$ ") gives a neutron plus some gravitons. As for the "virtual material coats quarks" after (apparently the entire volume of the future magnetoid) "explosive cotton" condensation (birth) of the electrons, protons and neutrons, it is suitable for the construction of anti-matter ...

Since the beginning of the formation of elementary particles (protons, electrons, neutrons), outlet of energy of quanta into the environment (thermal, electromagnetic) and gravitons (remember that we are considering areas of the universe, in which began to emerge a "fixed points" as a "reactors"), the process of heating of this environment to "+1" K began. The gravitational field started to appear around the "reactors", which accelerated the process of quarks condensation and the process of *protomatter formation* began.

I understand: adopted the correlations are conditional and are not proven. But I think it was how it all started... (the house is built of bricks).

With the accumulation of protomatter in the "reactor" is amplified and its force of gravity, which leads to compaction of protomatter: "Reactor" is becoming a core of a future MAGNETOID. Over time, this process deepens so much that in the center of the nucleus, atoms and elementary particles begin to form out of protomatter... formed material substance (matter of the Universe).

Further around the core of our future magnetoid arises a magnetic field and the absorption of quarks multiplied - *begin to grow rapidly gravity and magnetic field nucleus*. Fields magnetic our future magnetoid (our of "reference points") begin to expand rapidly, capturing more and more space "Ocean quarks", their fronts spread meet each other, and, , in the end meet - and *they are finally formed in TORAH*.

Into spot contact they form a **magnetic lens** (their appointment we learn below). Thus, ends with redivision of "Ocean of quarks" – protomatter inside a magnetic torus remains insignificant concentration.

And this leads to the fact that the space inside the magnetic tori becomes *a solitary "cell" in "Ocean quarks"* - **MAGNETOID**. The owner of "cell" is the core of this magnetoid.

As can be seen from Figure 1, 2, 3 (see below), our *magnetoids*, are the ellipsoids ("barrel of" who line up next to each other for the plan "honeycombs" of bees in beehives (see Figure 2). Called these

"honeycombs" - "**package**" (see Figure 1 and 2). Above and below around each "package" lined up the following "packages." This general construction is called - "**stack**" (structure - floor to floor, see Figure 1) in which the vertices "barrel of" (magnetoid) are shifted relative to each other at the half of their small diameter (left or right of the main axis magnetoid - the first "package" conditionally accepted in our "stack", see fig.1 and 3).

NOTE1. It is obvious that "packages" (on see Fig.1, conditionally horizontally) and "stack" (on see Fig.1, conditionally vertical) can not grow to infinity - there is a limit of the mass of matter for some a certain volume of the universe, when the "quantity turns into quality." In this case, obviously, will come into force us to some unknown laws of the universe, on the basis of, of the critical mass ("stack") start to form some new material structure using "stack" as the "basic building blocks" of the universe (on the new stage), and this leads to the assumption that the universe is not "suffer vanity" - it is constantly striving to stationary equilibrium ... (confirm it our descendants?).

So **magnetoid formed** unshakable formation, living by a single (stationary) scheme of his life support, call it - "**stacking**".

It is appropriate to draw attention to the particular construction of "packets" - in the contact tori of neighboring magnetoid (see Figure 1 and 2):

- Given that the tori magnetoids are elliptical form have, the magnetic contact between them is their "middle side walls" (the place of formation of the "magnetic lens", see Figure 2, item 3), since point of contact have a circle. In this case, between every four neighboring tori formed space ether universe, which we call the "**tunnel sidewall of contact**" magnetic fields magnetoid (Fig. 2, item 2). Steadiness magnetoid determined by the shape of a torus (slightly elongated "barrel") and the vector orientation of their magnetic poles: all poles «N» are on one side of a "package", the poles «S»;

- on the other (two a separate of continuous magnetic fields: the field «N» and field «S», - see Figure 3 and further Exhibit 3). Any attempt of a torus in the "package" to turnaround round its nucleus will be are suppressed resistance Force of these magnetic fields;

- Given that shape of the ellipsoid curvilinear, the distance between the vertices(top and bottom) of neighboring four of the "barrel" (ellipsoid)

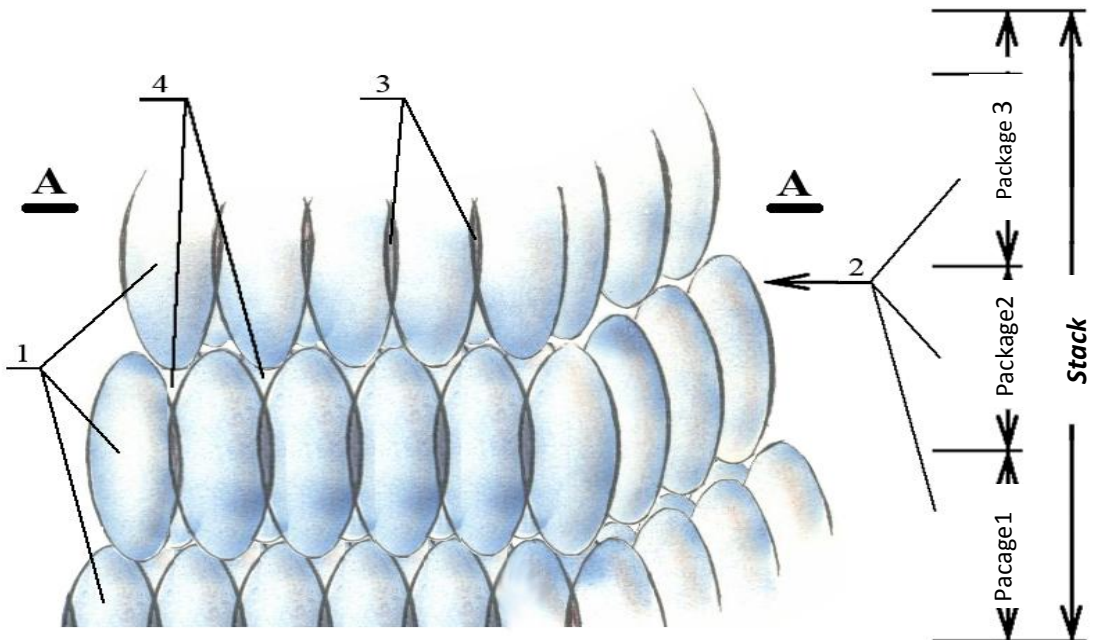


Fig. 1. The scheme of "vertical" connection of packages of Magnitoids into "stack":

1. Magnitoids ("kegs");
2. Packages of Magnitoids;
3. Lenses of contact of magnetic fields (torus of Magnitoids);
4. Mixing funnels;
5. A stack of packages of Magnitoids

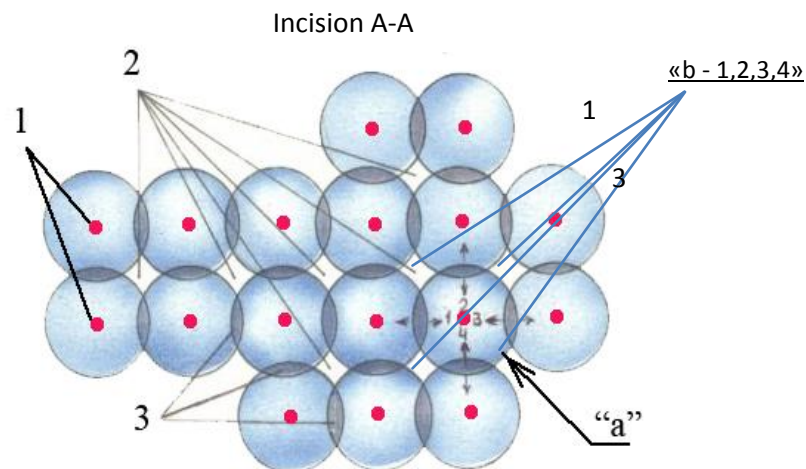


Fig.2. A cut of a package ("honeycombs") of Magnitoids in the area of a cut «A-A» on fig. 1:

1. Cores of Magnitoids;
 2. Side contact tunnels of torus of Magnitoids;
 3. Lateral contact LENSES of magnetic fields of torus of Magnitoids;
- “a”- movement vectors gas and dust clouds ("Nebulae") inside torus of Magnitoids (origin of "four small Universes» - one of which we observe on our horizon) are shown conventionally;
- “b-1,2,3,4” - neighbouring “side contact tunnels” for Magnetoid “a”, where: lens1 uses a “mix” of discharger from a pair of tunnels “1-4”, correspondingly: lens2 – from the pair “1-2”; lens3–from the pair “2-3”; lens4–from the pair “3-4”. The same way in other tunnels.

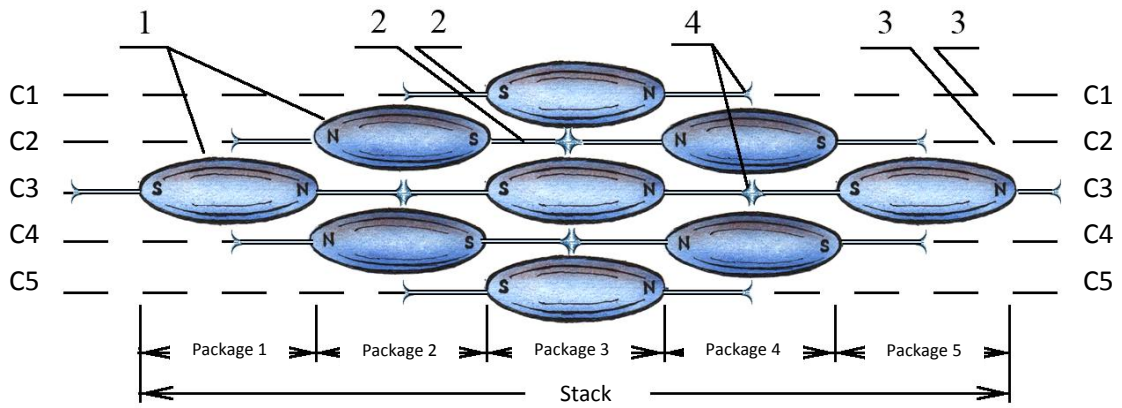


Fig. 3. The scheme of connection of Magnitoids into "beads" on length (height) of "Stack":

1. Magnitoids (reference Universe points) at which magnetic poles «N» and «S» in "Stack" are definitely focused (see the text);
2. Streams of particles of disintegration of Magnitoids nucleus;
3. The axis of «C - C» beads of Magnitoids. Length of chain are regulated according to the note 1 (see the text);
4. «Cold reactors» (their appointment see in the text).

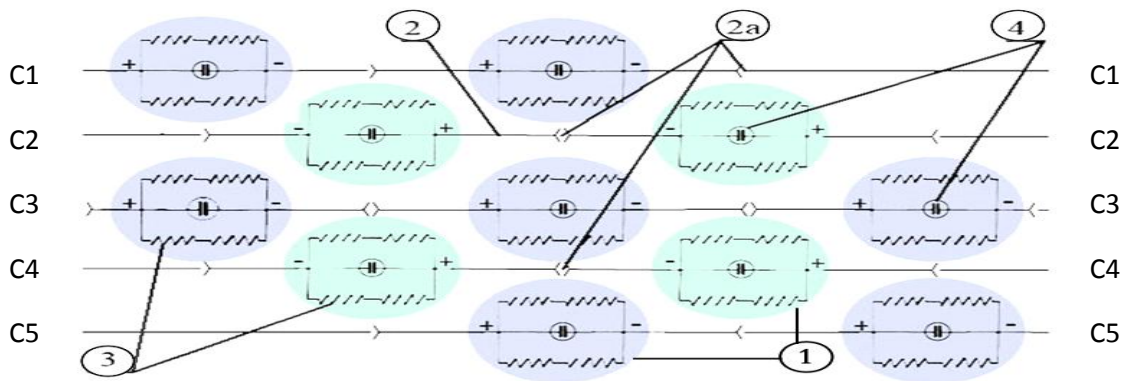


Fig. 4. A basic electric equivalent of "Stack" construction (Magnitoids are presented in the form of contours RLC):

1. Contour RLC, where: the role of an electric equivalent of a contour (c) plays a kernel of Magnitoid (carries out function of the electric accumulator); the role of an inductive equivalent (L) carries out magnetic torus of Magnitoid; a resistor role (R) provided counter streams of particles of disintegration of kernels (rigid electric communication between kernels Magnitoids given "beads" is carried out);
2. Streams of particles of disintegration of nucleus Magnitoids (the electric channel in which middle there is an electric rated sportsman 2a, formed in a place of colliding of counter streams of disintegration of nucleus);
3. Magnetic contour L (it is presented as «the inductance coil»);
4. Magnitoids nucleus («electrolytic accumulators»).

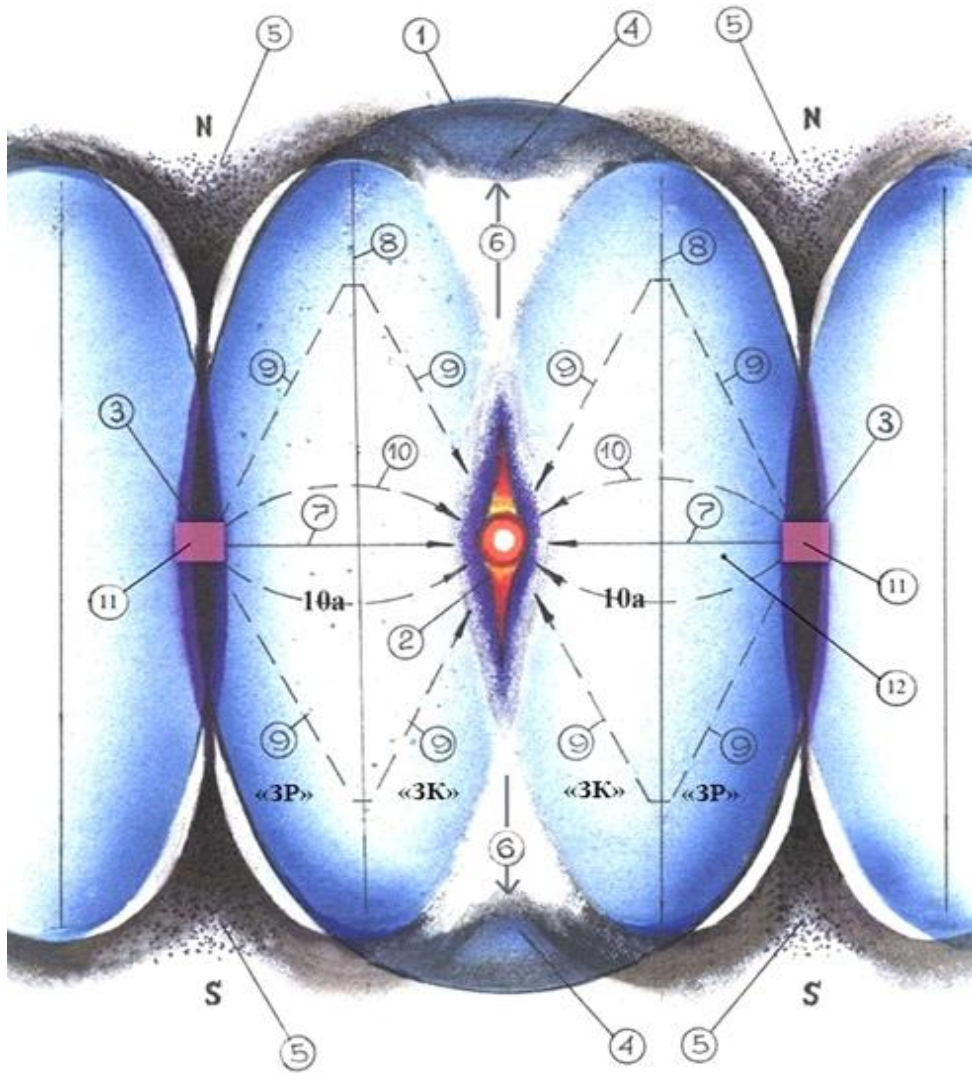


Fig. 5. A cut of a link Magnitoids. Physical characteristics:

1. Torus of Magnitoids
 2. Nucleus of Magnitoids
 3. Lenses of a link Magnitoids
 4. Funnels of fluctuation
 5. Funnels of mixing
 6. Trajectory of flight of elementary particles of disintegration of a nucleus of Magnitoids
 7. Line of the main normal of forces of gravitation of Magnitoids
 8. Line of change of zones (or changes of a cycle of life of galaxies)
 9. Greatest (possible) trajectory of flight of a galaxy
 - 10 - 10a. Sphere of passage of a great bulk of galaxies
 11. Area of the LENS with zero magnetization;
 12. Presumable site of a galaxy "Milky Way"
- «3P» - an expansion Zone
 «3K» - a collapse Zone

are formed (see Figure 5, item 5 with top and bottom side) two funnels ("funnel mixing", the purpose of which will be specified below), ones (estrus), their vertices face each other and are joined (see Figure 3, item 4) in the middle of the tunnel sidewall of contact (the uniqueness docking of discussed below);

- Finally it should be noted that, along with "magnetic lenses" at the contact Tori magnetoid, are formed (for the same geometrical conditions) and the "*gravitational lens*" (as if they are superimposed on the magnetic). This is due to the interaction between a gravitational field of the *nuclei* "*magnetoid - neighbors*" (appointment of "gravitational lens" will be specified below).

From this point, it should be assumed that the formation of "packets" magnetoid (see Figure 1 and 2) is almost finished:

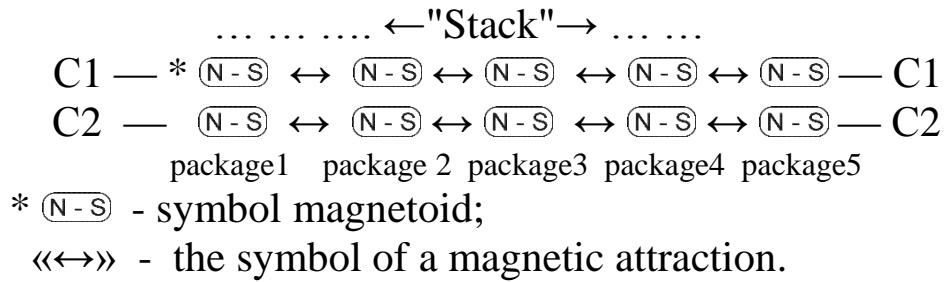
- growth tori magnetoid ceased - the of their front growth along the way faced a similar neighboring front magnetoid (each of them has four such contacts, under the terms of building a "honeycombs ");
- at the contact tori formed magnetic "lens" of the interaction of magnetic fields magnetoid (four each torus Fig. 2, "a"), whereby magnetoid "do not stick together " and are structured in a certain way (discuss below);
- nucleus magnetoid almost formed - it gets the remnants protomatter in his Box House - "OCEAN quark" (internal space of the torus) and behold - behold power gravitational contraction of his substance will lead to the process "flashes" of the center proto-core.

So, to the "ignition " proto-core magnetoid remain "instants ". A little more, and in our scheme will be a **new person** involved - the forces of electricity. But before they occur, to understand their intentions and actions, we need to clarify some details of the process of construction a "package" in theirs "stack".

We know that the "stack" - this is multi-story a special structure , which combines some number "packages" (the word "some " is determined by what was said in *note 1*).

Consider variants of these "high-rises", and we see that we have no choice: we at hand have the same type of material - "cask " (denoted as follows: ... $\textcircled{N-S}$...), are the elements of the "packages" about which we discussed above.

Option 1. Arrayed "cask " successively along the lines " C... C " (*we call them "chain "*), which penetrating all the floors "stack"; "chain " (and "cask ") arranged in parallel. According to the following scheme:



Scheme1

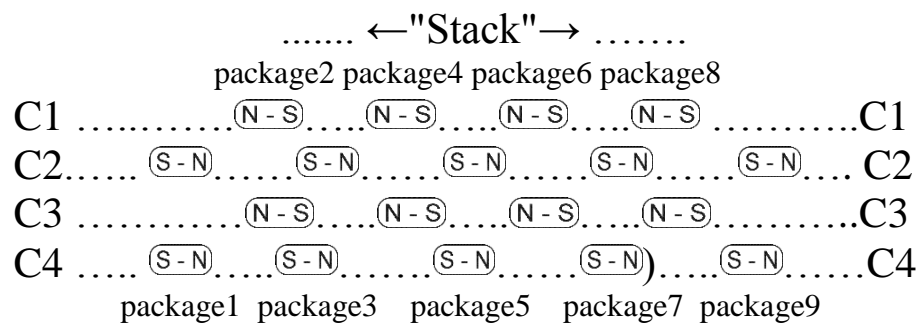
Analyzing given the scheme of building a "stack", we conclude that it is doomed - in the first stage of construction, ie already is between the "packages" 1 and 2 "chain " will collapse, because between the magnetic poles of the «N» and «S» operates natural magnetic the attraction («↔»), which will lead to the collapse of the "stack." Thus, *this variant no has chance of longevity.*

Option 2. Change the the above scheme of construction.

First of all, recollect to build "stack" - in it every neighbor "package" is shifted relative to each other, half of small diameter of the ellipsoid ("cask "), as shown in Figure 1, and the vertices of the ellipsoids "watching " (mutually) in "funnel mixing" (Fig. 1, item 4) of its neighbors.

Now assume that nature a certain way has placed in a "stack" (through "storey"), each following a "package" ***with opposed the sign of the magnetic (and electric) field:*** their magnetic field relative to the previous one reversed (on the contrary) - see Scheme 2 "packages" 2.4; 6.8 "chain " C1 and C3 ("untuned") relatively "Packages" 1, 3, 5, 7, 9 in "chain " C2 and C4 ("inverted").

We get the following construction (a kind of "binary matrix": a pair C1and C3 ; C2 and C4 etc. - ie alternation):



Scheme 2

Of the scheme shows that plan of building a" stack " define a "chain ", " packages " in which are composed of " twin magnetoid " –

they through next "chain" (on the left and right) confront one another (between magnetoid in "chain " there is shift $\frac{3}{4}$ of length magnetoid).

The singularity of the scheme to build "stack" ensures its stability, since in the funnels mixing opposite magnetic poles are magnetoid are created specialized magnetic field (see Figure 3 and Scheme 2), in which there is confrontation magnetic poles magnetoid -neighbors (in "*inverted*" and in "*untuned*"). Additionally, magnetoid neighboring "chain " also shifted relative to each other (about 0.5 length of the minor axis of the torus magnetoid - it we discussed above). Thus collapse in the construction of the scheme is not possible, that is, the gravitational attraction between the nuclei magnetoid the entire volume of "stack" is *balanced by the magnetic resistance to tori* (in contrast to Scheme 1).

Thus, non-traditional "composition" of the packages " into "stack" ensures system on the whole stability. By the completion of the construction of the "stack", nucleus magnetoid, gets remnants ether ("protomatter") out of interior spaces its tori - farther material ("protomatter") in the center nucleus occurs gravitational molten. "Melt is" gradually became a kind of "reactor", in which (under the influence of gravitational and magnetic fields, as well as at high temperature) began to form the material substance - atoms and molecules.

Hereinafter, in the process volume growth of the melt in the middle of nucleus increases the amount of material and its concentration (sealing). This leads to the appearance in the center nucleus magnetoid a powerful "Reactor", in which are very tough physical conditions, under influence which substance what come from the upper layers (outer) of the nucleus magnetoid - ionized and on anions and cations splits .

Under the influence of the magnetic poles of the torus magnetoid ions begin diverge and gradually migrate to the poles of the core, what creating a positive ("+") and negative ("-") electric the poles magnetoid. And this leads to the fact that "REACTOR" - center of nucleus (and as a whole magnetoid nucleus), turns into battery pack (electrolytic a battery), and thus round the nucleus magnetoid is created an electric field (the **new figurant**).

Further gravitational contraction of the core magnetoid leads to a further tightening of the physical conditions in its reactors. There comes a time when the ions can not withstand "harsh treatment" with them and they start to break down into elementary particles with enormous kinetic force that allows these particles to overcome the force of gravity core magnetoid and leave his: on *electric poles magnetoid cores there appears pillar of*

dust ... The "dust "(elementary particles , some ionized atoms, etc.) efforts of jointly the electric and magnetic fields acting in the nucleus of each electric pole magnetoid - extrude her outward of the torus magnetoid (see description below).

Note 2. The magnetic field magnetoid, at the formation contour of a magnetic circuit parameters of his the torus forms a (at both poles) *funnel estrus* which is directed down to the nucleus magnetoid (this configuration we see in the Earth's magnetic torus). We call these funnel magnetoid - "**dusty funnels**", their estrus grab pillars "dust" (see above) and push them outward. Furthermore, it should be noted that due to the "eruption" of the core - changes the configuration its electric the poles - grow the poles in form "volcanic cones" (a kind of volcanic cones of terrestrial volcanoes), so the nucleus accepts the form - a "spindle" (approximately). The it determines the shape of a torus magnetoid as "cask".

Let's look at Figure 3 and 4 once again.

Let's start with Figure 3. We can see that between the individual magnetoid (1) in each "chain " have (in terms of building a "stack") gap (especially evident in the second, third and fourth "chain ") - between the packages 1 and 3 are placed magnetoid of package 2; between the 2 and 4 packages placed magnetoid package 3; between packets 3 and 5 placed magnetoid package 4, etc. These gaps are schematically represent a how the "tunnel sidewall of contact" tori magnetoid (see Figure 2, item 2), which are formed off tori "magnetoid-neighbors" (nearest four that are in "the sidewall of contact" with each other).

Thus, we see that the "tunnel sidewall of contact" (and "funnel mixing") form a magnetoid one "packages" but "pollinate " in them (at the funnels mixing) magnetoid out other "packages", which "see" each other through this "tunnel" - and "dusting each other" magnetoid unite common "chain ", although they are members of different "packages".

As an example, consider the third "chain ", where we see that in the "tunnel" formed magnetoid "package" 2 "pollinate " magnetoid of "packages" 1 and 3; in the "tunnel" formed magnetoid "package" 4 "pollinate " magnetoid of 'packages' 3 and 5, etc. (also see Fig. 4).

In this, as we shall see, lies the basic principle of exchange (**turnover**) of substances between magnetoid in this "stack" (and the based his in the universe ?).

Now consider Figure 4. The purpose of this drawing - explain the interaction of magnetic, electrical and gravitational forces within the overall framework of building a "stack".

A plan Graphic Figure 4 displays the a plan to build magnetoid in the "stack" (see Fig. 3), only are here each magnetoid represented by its equivalent in the electrical circuit in the form of *contour RLC*, where the electrical load (C) is the nucleus magnetoid, the role of inductance (L) is magnetic torus and the role of the resistor (R) are streams of particles decay .

The streams of particles decay have a dual purpose: they provide a "harsh electrical communication" (see Fig. 4, item 2), between magnetoid his "chain " and are, at the same time, eat the load (R) this of the circuit electric and presented in the form of electrical "dischargers ", where encounter counter flows (see Figure 4, item 2a). Appointment of "dischargers " — paramount.

Imagine that these "dischargers" are absent - then the electrical circuit contour «RLC» can be seen as a serial connection "cell " electric battery (see the first version of the construction of "stack", Scheme 1). Electrical engineering in this regard said that the electric potential (voltage) of the system will tend to infinity ... and it will, at some point, to a powerful electric breakdown of the chain, which is equivalent system collapse. In the presence of our "dischargers" (see the second version of the construction of "stack" , Scheme 2 and Figure 4) "stack" collapse is not threatened! We have the following below.

Imagine that each "tunnel sidewall of contact", "look" at each other two magnetoid neighbor, whose poles are spewing streams of particles of nuclear decay, and, these two streams are of opposite charge of its particles (one "+" and the other "-") - this is particle of the "eruptions funnel " opposing magnetoid appropriate" chain "are flying towards each other (see Figure 3 and 4).

But that their flight is not free to - they are always in control. At the beginning of his way (avulsion from the respective electric the pole of its nucleus) particle flux enters under the influence of the electric field strength, which occurs between the nuclei given Magnetoid (which "looking" at each other in the "chain" - used to be an example: in the "chain" 3 of the tunnel the sidewall of contact" package 2 "pollinate" of magnetoid "packages" 1 and 3). The electrical potential difference of the field (within the example arises between the poles of "N" and "S" magnetoid "packages" 1 and 3) invite both particle fluxes toward the

exciting meeting - they leave the relevant "funnel ejection" and enters at relevant "funnel mixing" (see Figure 1, item 4 and Figure 5, item 5).

As soon as each particle flow take place his "mouth funnel mixing" they falls into the area of its "estrus" (a narrow "the drain part" this the funnel), which actually is a "tunnel sidewall of contact". Magnetoid here for our particle streams begin the real test, associated in exposure on them new physical forces - high magnetic field "LENSES sidewall of contact" tori magnetoid and gravity cores of magnetoid. To clarify the situation, let us return to the consideration the Figures 1 and 2.

Figure 1, we see that the "lenses" (doubly convex lens) have an oblong form (by the vertical "cask"), with their sharp peaks are equidistant from the equator small diameter "cask" and suited toward the bottom of the "mouth funnel mixing". Now we look at Figure 2 and we see that on a section of a "package" (the equator "cask") lenses have the right shape (doubly convex lens). The reason is that the small diameter of the ellipse ("cask") in this place is a perfect circle whose diameter is about one-third of its big diameter (diagonal ellipse). Thus, our "lenses sidewall of contact" Tori magnetoid can be represented in the form of an lentils. In each "tunnel sidewall of contact" their are four (lying crosswise along the tunnel, having the magnetic potential increased power), while between theirs the tops they create a single magnetic field as in the form a "**magnetic tube**" in the middle of whom "sucked in", *the flow of nuclear particles* (from both the side "tunnel" : stream "+" and stream "-") , where it is compressed and jogging his accelerated . Consequently, such a "magnetic tube" for a the "package" magnetoid plays the role of a "magnetic particle accelerator" nuclear decay. This is the first test for the particle flux.

Thus, the flow of particles rapidly approaching the equator "cask"... But what is waiting for them there?

The first surprise for them will be that to them necessary of sharp from get rid "magnetic dependence" and again become a "carrier" its primordial electric potential. The reason is simple. We know that between the poles of «N» and «S» of the magnetic structures (of any forms) in the area, equidistant from these poles, there is a region with zero magnetization (neutral zone of magnet).

The same thing happens in middle of tori in the magnetoid . At this place fit together "estrus " of our "funnels mixing" at of any the "*tunnel sidewall of contact*" (ie, our "magnetic tubes") this or that a "package".

The second surprise is the collision (head-on) of our streams (but "carriers pure electric potential"), that leads them to a sharp slowdown and mixing: starts violent processes of electrical "fraternizing" the result that their potential energy is converted into electrical energy synthesis (**regeneration**) of chemical elements (the material of future gas - dust clouds).

Thus, it turns that in this area, a "tunnel sidewall of contact" occurs detente (*discharge* of) of the electric potential of our "electrolytic cans" nuclei magnetoid on our dischargers (which is why the whole "chain" in "stack" **can not be** excess growth electropotential system, because of the spontaneous formation in "stack" special of structure "**dischargers**").

From foregoing that the "dischargers" is as a "**reactor cold synthesis**" of chemical elements. What is the future of products of "cold" reactor?

First of all, let's look at another important force that acts in the area (inside) of our "cold" reactor. We have previously noted that, in zones the "sidewall of the contact" tori magnetoid addition to magnetic lenses are formed yet and gravitational lenses (they to overlap each other). But unlike our magnetic lenses "her roommate" ("gravitational lens") is formed in the equatorial zone "cask" because is force attraction (gravitational field) directed are perpendicular to the nucleus magnetoid. At the same time vertices "gravitational lens" (see Fig. 2, item 2) run into two oppositely lying "tunnel" (at the location of their "dischargers" - at "tunnel sidewall of contact"). The task of the gravitational lens snatch out from the environment (in this case from the "cold" reactor) all that you can, and bring gift (in the form of gas and dust clouds , which blown into inward of the torus magnetoid) his the "host" - the core of magnetoid. Thus "gravitational lens" can be represented as a "*gravitational pump*." And when you consider that our "dischargers" ("cold" reactor) equipped with four such pumps, he is constantly working in mode of the "bottomless cask", which provides our "cold" reactor uninterrupted job, ie he is not "choking" from of the flow of nuclear particles entering into it continuously of the "estrus" the relevant "funnels mixing".

Note 3. Again, we turn to Figure 2. We see that every magnetoid ("full", the figure surrounded on all sides by neighboring magnetoid) has (by construction), four lenses, which, previously, we have given the status of "gravitational pump". We already know that each such "pump" produces gas and dust clouds inside tori magnetoid. Consequently, in each torus magnetoid, separately from each other, are formed (perpendicular to

each other) four families of gas and dust cloud from which, after a while (it is described later) form separate Metagalaxy, ie in every magnetoid are separate lives in four World (*let's call them "small universe" - of which one we have seen in our the sky*). The road of life of these worlds is inside the torus magnetoid shown in one of the "cell" in Figure 2(see "a").

So, we have practically reached the "threshold of tangibility" of our outer world, for our "gravitational pump" because started to supply ("insufflate") products synthesis "cold reactor" in a torus magnetoid. But we first need to supply discuss two important issues relating to the functioning of the nuances magnetoid and "gravitational lenses".

Aspect One (related to the functioning peculiarities of the gravitational lens). Let us turn to Figure 2 and 5.

Let's start with Figure 2. We see that every "gravitational lenses" in the "cell honeycomb" (and we know that it is complex, the magnetic and the gravitational one) goes with its apex into (conditionally on the left and right) two neighboring "tunnels of side contact" of magnetoid tori. Taking into account that the force of gravitational attraction in the gravitational lens itself is approximately two times bigger than the force of gravity in space of tori that surround peaks of lenses and "dischargers" corresponding to "tunnels of sidecontact" (see Figure 2), then it turns out that the products of the synthesis from the corresponding "cold reactor" are grasped by four lenses from "tunnels side contact" of neighboring magnetoids. In addition, our lens (any one chosen by us from Figure 2) pulls out of the two, so to say "pies" (products of "cold" reactor synthesis) the strictly defined portions (from its left and right; see "b – 1,2,3,4 on Figure 2 – the connection of "tunnels of side contact" for a magnetoid "a", where lens1 uses a "mixture" of dischargers of a pair of tunnels "1-4"; correspondingly, lens 2 – from pair "1-2"; lens 3 – "2-3"; lens 4 – "3-4"; the same about other tunnels) and send its "prey" by two streams (to meet each other, from its right and left) to the center of the equatorial part (see Figure 5, item 11), where, as we know, there is an area (usually this area of magnetic bodies does not exceed 0.10 distances between magnetic poles «N» and «S» of the body) where the strength of the magnetic field is zero. The further fate of "prey of mixture by lens centers" we will study according to "Geographic Data" in Figure 5.

We begin from the moment of the meeting of our two product streams synthesis of "cold" reactor in the equatorial zone of the "lens" (see Figure 5, item 11): at the time of the collision, occurs the mixing of gas and dust flow ingredients, and the emergence, between their individual

elements, chemical reactions and mechanical grip, which leads to a change in granulometric structure of this the "mix" (in the direction of consolidation of individual fractions).

Gradually, found this the volume of overflows - substance "mixture" begins to "squeeze out" (go away) the behind external border equator the "lens", where it falls into the power of two elements: in the vacuum in the interior of the magnetic torus and under the influence cores gravitation of magnetoid (in these the surrounding area can find in small amounts of light elements with very high kinetic energy, such as hydrogen or elementary particles which can not "grab" the gravitational power of the "lens").

As soon the "mixture" falls into the vacuum space (region the free-fall inside magnetoid) include in the action of the cohesive forces (gravity) between the individual elements (particles) of the substance (clouds). Spontaneously, in ejection of matter arise centripetal "gravity gradient", which seek to transform our entire volume of material ("mixture") in orb (or rather two orb on both borders of the equator lenses, see arrows in Fig. 2, "a"). Next, do not forget that the *process of substance "mixture" is continuous*, it goes on to a certain speed, leaving of the equatorial zone of lenses: The constant "insufflation" material "mixture" of the inside a ball causes it to grow ("inflate") - gradually formed a large "the *bubble*". The question then becomes, "How long (and what size) it will grow?"

The answer to the question is this. With the growth of (the continuation of the life cycle), "bubble", by the entry of more and more portions of matter "mixture" in its internal cavity, it increases the concentration of the substance: there comes a time when some major elements of the substance (at the expense of the forces of gravity, or magnetic coupling between them) begin to gather in separate "conglomerates", of them more heavy (mainly it product of the gravitational coupling) flock to the "virtual center of mass," where they form (at the expense of gravitation) larger structure - the core "bubble" (gas and dust cloud). But the "conglomerates" that in the beginning, prefer independent living ("swimming" in the gas and dust cloud "bubble"), are not asleep - they also grow, "snatching the" around myself (by any means) the substance is a "mixture" turning in independent (separate) the small nucleus (the concept of "small core"; "large structure" - a purely semantic governing the hierarchy of these structures in the "bubble").

Now it is appropriate to recall that the growth of the "bubble" and its "nuclear population" passes in special conditions. First, as we

recall, the substance "mixture" at the entrance to cavity the vacuum magnetoid already definitely oriented - have already has magnetized (conditionally placed vertically) areas of «N» and «S» and not magnetized plot between them. Second, the portion of the "mix" (in vacuum) immediately falls into the arms of the forces of attraction nucleus magnetoid, which gives it, the initial translational velocity in the direction of the nucleus magnetoid. And at the same time, on its place in a hurry to take a subsequent portion of "mixture" - this is the process of "a bubble inflate".

But this process (for any of the "bubble") is short-lived. "Bubble" shortly grows up, the central core and its supporters (the small nucleus) now firmly hold around the entire mass of gas and dust. To a certain hour, they get a boost acceleration (aspiration to nucleus of magnetoid), at which the rate of discharge ("dusting") expiry "mixture" from our "lenses" do not have time to catch up with this "bubble" and compartment "bubble" comes from its "lens". Thereafter, there is the beginning of a new process of the next bubble birth.

Aspect two, regarding the peculiarities of functioning of Magnitoids.

Once breaking "umbilical cord" (see above), the "***bubble***" immediately transforms and directed inward the "mechanical explosion" (implosion) occurs. The essence of "implosion" occurs is as follows (this is the ***second moment***, related to the peculiarities of the functioning of magnetoid).

First of all, under the influence of the "free fall" effect in a vacuum cavity of the magnetoid torus, gas and dust cloud is rapidly trying to acquire a spherical shape. But at the same time as this process rapidly begins to flow and the process of reorientation of the magnetic poles of the magnetic dust cloud occurs, since upon "bubble" old pole «N» and «S», lose their (avulsion "umbilical cord") connection with "host" (substance "mixture" equatorial zone of the lens) and to the power came new magnetic "host", the central core of the "bubble". And, again, at the same time (and excessively explosively) the gravitational attraction of the central nucleus of "bubble" comes into its own third force; its field covers the entire volume of the dust cloud. Further, we must not forget that all of this takes place under the strict supervision of the fourth power, namely gravitational attraction of magnetoid nucleus, which slowly, but constantly, accelerates the rate of translational motion of the whole mass of the "bubble" to it.

The result of the cumulative effects of all these forces is "directed inward the mechanical explosion" ("implosion"), which is expressed in the following: a vacuum and the gravitational field of a central core of "bubble" by force compelled by gas and dust cloud dramatically shrink ("plop") up to a certain size, while at the same time, there occurs a magnetic reorientation of all mass of "bubble" matter under the influence of the magnetic poles of a central core, and this leads (in the time of separation) towards a conflict between the new magnetic field of "bubble" and the magnetic field of the lens, trying to maintain its influence on the gas and dust cloud of "bubble" - on the basis of these two forces (vacuum and gravity; magnetic conflict) arises kinematic momentum of mass rotation at "bubble" around its own center of gravity. At the same time, a small core of "bubble" ("conglomerates", floating in a cloud of gas and dust at "bubble"), during its compression acquires its own "comprehensive pulse", which includes: first, the unwinding of small nuclei around their axes to the torque of a forced orientation of their magnetic poles in accordance with the magnetic field of the central nucleus of the "bubble"; secondly (at the time of contraction of "bubble"), small nucleus acquired its orbital rotation around the central core of the "bubble", due to the action of two gravitational forces - an attraction of the central nucleus of the "bubble" and attraction of the nucleus of magnetoid. As a result, at the end of this manipulation, our "bubble" is transformed into quite dense (due to compression of remains substance into a "mixture" in cavity "***bubble***"), flying freely in the cavity, magnetoid "***Nebula***", which contains a central core and a myriad of small nuclei ("conglomerates"), slowly rotating around it.

Thus, the "Nebula" is sent to a "free" swim. The word "free" we take in quotes for a good reason. Here is why.

Let's look at Figure 5. According to this figure, "Nebulae" has a wide range of routes: from a direct path (see line 7) up to high sine wave (see line 9 - the highest trajectory). Nevertheless, main mass of the "Nebulae" takes its niche in the pass of the bulk of "galaxies" (see lines 10 and 10a, in Figure 5). Everything depends on how the process of separation of "bubble" from the "lens" goes (see item 11 in Figure 5): if the gap is sharp, the "bubble" then goes without any delay directly perpendicularly towards nucleus of magnetoid (lines 7 in Figure 5); but if the time of separation is long, ie "umbilical cord" it comes off with the delay and somehow one-sided (for example, let's assume that the relationship between the "lens" and "bubble" is delayed by the Pole «N» the "LENS") then, in place of separation appears a resultant force vector

(the forces of attraction between the nucleus and the poles of the torus magnetoid), then, this "Nebula" begins its journey along this vector (see line 9 in Figure 5). Therefore, the features gap "umbilical cord" greatly affect the form of the "Nebulae", which can be of round, spiral or irregular shape.

Thus, "Nebulae" chose and steadily fulfill their predestined path: achieve the ultimate targets this way: the nucleus magnetoid, which is looking forward to this meeting and will make every effort for its acceleration.

As for the meeting, we will discuss it later, and now let's look at what happens next with the "Nebulae" after their final forming. We already know that they were obtained in the form of a dense cloud ("bubble" of any form). Inside of a gas and dust cloud is a myriad of small nuclei (units of "conglomerate", that is a "mixture" of substance) that entirely (along with the total mass of gas and dust clouds) obey their "host", to be more specific the central core "**Nebula**". At the same time, we know that small nucleus at the moment, has gained some momentum around its rotational axis and, besides, they've got some rotation orbit around the central core "Nebula." Furthermore, by analyzing this picture, we see that in the process of moving, small nucleus capture more and more condensing gas and dust cloud of "Nebula", that gives them the opportunity to grow quickly due to the absorption of matter clouds. In addition, the larger "conglomerate" captures its weaker neighbors and, thus, greatly increases its size. Thus, millions of large formations are gradually formed from a vast myriad of small nuclei in the "Nebula" and are nestled in a certain way on their stable orbits around the central core of "Nebula." Such a system chooses almost all traces of dust cloud very quickly and "Nebula" gradually becomes "transparent" (conditional). Gradually, millions of large formations, under the influence of their own strength, their gravitational contraction of matter began to turn into a star. Thus, over time, "Nebula" turn into **GALAXIES**. Further development cycle of galaxies is well described in the textbooks on astronomy and other.

On this point we should call it day, but we have another task, my friends: in our thinking the galaxies are only considered as one of the elements of the concept for hypothesis "Stationary Universe," in which they are leading links in the cycle of matter "stack."

Again let's ask for help Figure 5. We see that no matter what path to nucleus of magnetoid the galaxies may choose, they still end their life on the surface of the nucleus of its magnetoid "Nebula", becoming a

part of it: they somewhat compensate the deficit of the mass of the nucleus, which nucleus loses as a result of products of nuclear matter eruption. It follows that we considered earlier, the complex path of conversion (the "Nebula" → Galaxy) can be classified as a cycle of matter in the universe (on the example of its separate unit "stack"): the beginning (the birth) cycle of **circulation** and its completion (death), when they meet in one point, which is the nucleus of magnetoid (*close to unity of struggle of opposites!*).

Note 4. At this place It is convenient to insert four short theses here:

1. The occurrence of single rather large planets. With the "Maturation" of galaxies, the following scenario is possible: in case of a rough dissection of the substance of "Nebula" by proto-nucleus of big stars, some of them (the small ones), are likely to lack "building material" in order to light a star (*see Chapter 2*)... In this situation, there is only one way, namely further the density of nucleus material becomes thicker and the nucleus material turns into a planet;
2. The occurrence of "black holes" in the Universe. Here the process is different: the "collapse" of some "bubble" turned out to be unusual. The "collapse" was sluggish, and it did not allow the gas and dust cloud of a "bubble" to get strong kinematic momentum. Hence "small proto-nuclei" had not enough strength to organize their orbital flight around the central proto-nucleus of a "bubble" and they started to "fall" on the surface of the central proto-nucleus... gravity of the central nucleus began to grow at incredible speed... and the whole mass of the "bubble" "collapsed" again (the short-term process) and a "black hole" was formed.
3. The construction of a nucleus of a Magnetoid. Because of huge dimensions of nuclei of Magnetoids (approximately 2-3% of torus size of a Magnetoid), as a matter of fact, they are supposed to constitute "a huge black hole" and it is impossible to observe. Now (after removing the mistakes in E. Hubble's theory), it is possible to define the direction of its gravity vector for our "small Universe". But when our Mega-galaxy goes to the collapse zone (see Figure 1), it will be destroyed...and life on the planet Earth will disappearance...
4. About "**ether**". Above (after the the question – where it all started) we determined the substance of "ether" **isn't it a carrier of "dark" matter and energy?**

What could a material carrier be in pristine (virgin) of the universe? In my opinion, it is the graviton, which produces a gravitational field in

surrounding space in no time. Taking into consideration that the space of the universe has no borders, you can take (relatively) graviton substance as stationary. Then it is possible that this infinite mass has a certain solidity and has a "sticky amorphous" substance (if it is possible "vacuum" of the universe). Suppose that such a structure does not allow the gravitational field to penetrate into the crystal lattice of molecules of matter in the universe (as the photovoltaic field for photons does, as we said above). Consequently, any material particle in this Universal (ether) gravitational field, for it is an obstacle, that is, this particle of this "space", as it pushes the gravitons. Then it turns out that the location of the material in this gravitational field appears some "knot of gravity", which like "enveloped" this or that object, resulting in a field (in place of the body) appear as if "dark spots" (this is conditional). Based on the above, the structure of "node of gravity" of the object can be represented as a set of power rings (this gradient intensity "external" gravitational field) density (power) which decreases with distance from the object surfacet. To determine the true intensity of the gravitational field of the Earth is very difficult, because the land is within the "node of gravity" (gravitational field) of the sun.

Inside the physical body the gravity has its own characteristics, which are aimed at the object compression to the "point" - apparently rings of planet gravitation ("gravitational corn") neutralizes any power "stability" of the substance-crystal lattices; or entirely the gravitational field of the universe tends to correct curvature of field (from any power rings) ... Due to this "bones " of celestial objects crack!

And yet there is something to ponder: "... Graviton... isn't that it which is (in one" face ") both the" dark "matter and" dark "energy?"

Before the final summary of this chapter, we still have to discuss the following issues.

First, we should be worried about the creators of a new method of E.Hubble "red shift" and avoid possible confusion, since their method is new and must also show in the line spectrum of galaxies a "red shift", but with the new parameters. And if this is so, then it would mean that the location of our galaxy ("Milky Way") as part of our "little universe (our

Metagalaxy) is correct (see Figure 5, item 12). At the moment it is in "expansion zone" of magnetic torus of our magnetoid at a certain distance from our "lens" (the "cradle" of our "small universe") near principal line of gravity (Fig. 5, item 7) core of our magnetoid.

In this case, the rest of the population of our Metagalaxy around us (observers from EARTH): some (the majority) move along by a curved line (see item 10-10a in Figure 5), which creates a certain effect of them being removed from us, while others (the minority), move along a sinusoidal trajectory (see item 9 in Figure 5), therefore, a big "red shift" will be observed here. But as soon as the observer (and that means our galaxy) crosses the "line change zone" (see item 8 in Figure 5) and enters into a zone of "collapse", an era of "blue shift" will come, which is a harbinger of imminent death of galaxies. This comes earlier to all those galaxies that are located on the main magnetoid gravity line ... *sad case for our Galaxy*.

And finally, the second point, left for us to discuss. We easily discussed questions of constructing and life of "stacks" and never asked ourselves the question about the scale of the object of our discussion. Now is the time...

First of all, Getting Started to discuss the issue, we must assume that the in "infinite universe" we are trying to build some specific (fixed) real objective systems, which should allow the existence of an infinite universe.

Of course, so far, dear reader, we have not looked, "We are not magicians, we are just learning!" But even then what we have suggested as for the construction of building "Stationary Universe" is unthinkable for a man size ("brick" construction - "stack", which consists of a chain of "packets" magnetoid).

Let's try to lift the veil of immensity a bit.

To do this, we have some clue which is the maximum photon path length (at E_{max}): in the open space equals to 3×10^{31} km (by radius \textcircled{R} from the light source to the Earth) and the current capacity of mankind to explore (observe) the surrounding universe the (universe) depth on the 400 billion light years ($4 \cdot 10^{11}$ light. year).

Now, by simple calculations:

1) determine the depth (\textcircled{R}) direct observations in kilometers on the basis that one (1) light-year is $9.46 \cdot 10^{12}$ km:

$$\textcircled{R} = (4 \cdot 10^{11}) \times (9,46 \cdot 10^{12}) = 3,784 \cdot 10^{24} \text{ (km);}$$

2) determine the proportionality of depth observations from the mean free path of a photon:

$(3 \cdot 10^{31}) : (3,784 \cdot 10^{24}) = 7,928 \cdot 10^6$ (times) \approx 8 million times.

Thus, the calculations show that the depth of observation of eight million times smaller than the mean free path of photons in space. Then, we can assume that the "**browsable radius**" of our "**little universe**" is (at minimum) $3 \cdot 10^{31}$ km from the observation point (the surface of the Earth) and further a photon is powerless. Consequently, the sphere volume (we observed) of our "small universe" (their in magnetoid 4) equals $1,13 \cdot 10^{188}$ km³... nevertheless, using the scale (contemplative) Figure 5, this is a very, very approximately.

Concluding the chapter, I will say that the hypothesis "The theory of the Stationary Universe construction" is based on the above cycle of cycling of matter in the "stack". At first glance, everything seems to "fit", but ... But, still remains an open question: "How did "Ocean quark" appear in the primeval universe?"

Lord God does not tell us about it... Can the human figure it out? (Or all the same...?)

My plan of build "Stationary Universe" construction does not claim to the ultimate truth, but in the light of the above criticisms of the theory of the "Big Bang", *it is possible that you, dear reader, may create your own version* (see earlier A.Einstein) of "Stationary Universe" construction, which, by definition, should be a system of closed (per sample the "a bagel" – per scheme 2 is possible it), cyclical, and therefore infinite in time. Your solution the spatial design, dear reader, may be many-sided, but the important thing for any spatial constructions, is automatically settled condition of dynamic equilibrium of its elements.

Chapter four **THE DOOMSDAY**

First of all, it should be noted that none of the books of the Bible does not speak directly of the date of the "second coming of Jesus Christ." But after all, someone came up with a "tale" about this date! It is useful for someone to widespread this tale!

It can be useful to anyone, but the scientific part of humanity!

That is why, my dear reader, let us together, by your benevolent reading my of further arguments, find serenity to all undesirable passions.

Let's defines the basis for our judgments of the concept of the "end of the world":

- The Bible: "payment for sins is inevitable, but the day of judgment is not defined yet. *So, pray!*"

- Scientific: "Gradual motion and development of nature is predetermined by its laws, the knowledge of which prevent people from the inevitable. *So, learn*".

What a contrast, my dear reader!

Which way to go? If we ask the question: "what is the concept of future?", we'll again go by the same closed circles without any prospects of finding the answer.

The way out is in the following. Taking into account the fact that the 21st century should be a century of compromise (otherwise, the "end of the world" is really inevitable, for it can be created by humans), we need to find such a platform for compromise that would epistemologically satisfy everybody.

If we once again turn to the Preface, we will find that, although indirect, but anyway there are the preconditions to expect the "doomsday". Therefore, expanding the mind of the causes of "fear," let's try to classify them into two groups: "Earth" and "Space" ones, "close" and "distant" ones.

So, let's proceed and consider the group "**EARTH**".

Subgroup - "close." To the category of these "fears" are mainly referred the results of the activity of human community: greediness and ambitions of individual clans of human civilization can trigger the death of all life on the Earth even before the arrival of the Biblical "End of the World".

The key to the solution of these problems must be the genius of man and morality. Therefore, even the righteous prayer plays a good part in the preservation of life on the Earth (I hope that even atheists agree with this).

Subgroup - "distant." Its fears are associated with future changes in the life of our mother earth.

We have already mentioned the slowing of the Earth's rotation (see Chapter 2). The changes in the shape of the Earth crust which are connected with this are almost not noticeable now: mountains are not formed, "Atlantises" do not disappear any more. These processes were possible when the frequency of the Earth rotation was much higher (about 20 million years ago, the length of the Earth day was about 12 hours). Interpolating those events in our day, we can assume that even a total stop of the Earth rotation around its own axis would not bring any serious

changes in the shape of its crust. As for life on Earth, in these circumstances there are unending problems for her. For example, water-cover of the Earth (the oceans), can bring us a lot of trouble.

Great influence on the water-caver is made by centrifugal force tending to stretch it into a disk. Therefore, if we are now virtually make a cut along the axis of the Earth rotation, in the equatorial zone the water-cover (Ocean) will take the form of a convex lens.

Now let's imagine that the Earth rotation velocity is reduced by one hour (i.e. the day consists of 25 hours). Then centrifugal force is abruptly reduced and bodies of water will start flowing (from the equator) to the poles, flooding everything on its way, all low areas of land. At the same time, the islands of the equatorial zone should increase in size.

If now from this position we consider the map of the Eurasian continent, it is not hard to see that a lot of its inhabitants would undergo a test (it would not pass other regions of the world: Amazon, etc.).

Under special circumstances, it may happen so that the water level would rise so much that the Black, Caspian and Aral Seas would again merge with the Arctic Ocean through a hollow Turgai and the flooded West Siberian Plain.

It is not difficult to calculate that for the above-described process to happen, only 36 000 years is needed, at slowing down by 1 second in 10 years.

The fact that the Earth is now at the stage of slowing down is indirectly hinted by the Caspian.

It is known that the Caspian Valley is a continental crack (see I.A. Rezanov's, PS), 20 km in depth and is filled with sediments. Then, the current rise of the water level in the Caspian Sea indirectly confirms our assumption about the change of the velocity the Earth rotation. Decrease of rotation frequency leads to the crust compression and, consequently, to reduction of the width of crack. The latter, in its turn, leads to the compression of the sediment (even a crack of a micrometer), followed by extrusion of voids or sedimentary rocks of sea water, and the general rise of the sea floor, or the perimeter of the reservoir decreases. Any of these options leads to an increase in sea level of the Caspian Sea, which we have been observing recently.

Thus, the great migrations are coming for the international community. So, do not put this issue on the back burner, the UN must begin to develop plans for the **resettlement** of the people from the areas of land, which would be gradually flooded.

These actions will exclude causes of wars and aggression, and therefore, there won't be even conversations about the "end of the world".

Now the group - "*Space*" preconditions of the "end of the world."

Subgroup - "close." As our astronomers and physicists convince us, we are not expecting any threats from outer space in the nearest future. They kind of calculated everything and do not predict any unwanted "meetings" of the Earth with other objects (small objects we are no longer afraid of, for the humanity has already created tools to break them or put the aside). But still a trick can be prepare by the main engine of life on Earth - our Sun.

Even today astronomical science continues to convince us that the Sun is a very prosaic and calm star and it is not prone to any disruptions or metamorphosis. Stocks of solar power give a hope for many millions years of its life.

But the works of the famous academic director of the Crimean Observatory A.B.Severnii, generate sad thoughts. It turns out that the Sun has a certain beating rhythm and its shell periodically expands by about 5 kilometers in radius.

My dear reader, taking into consideration the fact that, earlier (see Chapter 2) we determined the structure of the star as the physical body that consists of "hard core" the hot temperature of which is up to millions degrees, the transition layer and the "gas shell" - plasma (ionized matter in the fluidized state), and bearing in mind that the balance of the system is based on an appropriate balance counteract the centrifugal and centripetal forces, the opening of the academic A.B.Severnii results below the next.

During the life of a star, its core as a supplier of nuclear (predominantly of heat), ignition (supporting) fusion process in the "gas shell" gradually loses its mass, which consequently leads to a decrease in its gravitational field, and therefore, to a decrease in the centripetal force. Imbalance occurs, the centrifugal force that responds to the expansion of the "gas shells" (it seems to be the same). The increase in membrane leads to higher radiation energy of the star into space and thus, cooling "gas shells" - the centrifugal force of the heated gas is reduced and the shell falls to its former dimensions. And this is a verified by the periodical solar activity (it reaches its peak every 11 years).

The process described above corresponds to the present "even breathing" of our Sun. But we know of other examples as well. In our Galaxy, there were discovered many stars - Cepheids, a periodic beating of which overtakes large areas, comparable to the diameter of the Earth orbit. These phenomena are obviously explained by major changes of mass the

core of the star. They are most likely to be the old stars, the radioactive substance nucleuss of which due to prolonged half-life exposure has profound physical and chemical changes that lead to the disintegration of the heavy elements in the lungs are resistant elementary components. Fragments decay gradually saturated with the transition layer, where under the influence of high-energy ionized in it, and then move explosively in the amount of "gas shells", sharply raising its temperature, which determines the effect of a dramatic expansion of the latter. Since forming cycle of stars - Cepheid, checking which, obviously, can be done to quantify the lead ions in their spectrum.

So, by reaching the "maturity" of the Sun, the Earth's biosphere, can die in its ionized atmosphere. But this is still very far away.

Subgroup - "distant" cosmic perspective.

Dear reader, let's stop and make a confession that we were somewhat not completely honest. The thing is that the biblical concept of the "end of the world" is a "Final Judgment", after which the world must renew the kingdom of heaven (only righteous people will be "alive" and they will build and maintain the Earth's Paradise). To Manage this kingdom should the most righteous, Jesus Christ. We do not touch this subject (and we have no right to!), but we consider the concept of the "end of the world" from a purely physical position, hoping that, for the believing community of the our overall concept will be useful for the perception of their future.

Let's again referring to Fig. 5. Taking into account the thoughts expressed in the third chapter, as well as the data of the figure, we definitely conclude that in Magnetoids every *lens* continuously forms along the main directions of the normal gravity Magnetoid (inside the torus) four Metagalaxy, every of which comprises a small "universe" to its inhabitants (galaxies and other structures). The life duration of any galaxy (in the small "universe") is determined by the speed (path length) of it passing from the *lens* to the core Magnetoid.

Yet, we do not even know how to begin the calculation of this life duration, but for now we can certainly say that our galaxy (the Milky Way) has plenty of time till days of worries. This can be judged on the basis of astronomical observations, according to which, after almost three millennia star maps remain unchanged.

Therefore, we can easily say that the Earth in the galaxy will have to travel more than one hundred of thousands or millions of years. And in those far away years, humanity would not be afraid of anything; for while the galaxy reaches line of zones change (see Figure 5) and moves to

the zone of collapse of our Metagalaxy, techniques of the transfer of biological forms back to the *lens* (as if "return time ") should already be mastered. But in order to do this, it is necessary to find a **NEW EARTH** among young galaxies for the next cycle of quiet life of the mankind.

Simple and beautiful! But only at the first glance, because a task is set for the coming generations: "How in one year to overcome the distance which now the galaxy overcomes in million years.

So what should we do? What can be advise to future generations?

Let's turn to the Bible. There we will find the description of the greatest miracle that can be compared with the miracle of the universe creation, the birth of Jesus Christ. The miracle is not that a Virgin Mary could conceive of the *Holy Spirit*, but that the *Creator* of the world needed a human body as a cradle for His *child* (in some way, "implantation").

Why is that? The answer, perhaps, lies on the surface – this is "Mowgli" (children brought up by animals). The *Creator* knew that the development of mental abilities of man is possible only with **MENTOR beginning** (from the mother's womb), based on spiritual education and life experience of the **mentor**. The nature experience with "Mowgli" proves that *homo sapiens without the "Word" is the wretched animal*.

Just exactly as in the Bible: "In the beginning was the **Word**" (!).

But we should understand the wider meaning of this saying: the *word* is nothing else but the *information*... Then a miracle becomes a routine!

It is clear that **God** (the only one of all time) has the ability to immediately transport to any point of the universe *information*, of a *spark of His soul*. The action of such information proves as a *code task* to execute an *will of the Creator*. It is the materialization is implemented by recreation of any of *His ideas* from the substrate of the *Universal Ocean*. Consequently, it is clear that during the implementation of construction of the Paradise on Earth, the *Creators* used matrices codes of quark composition of one or another living body in the process of introduction of living matter on Earth (by teleportation masses of quark codes). According to the development level of some habitats for living organisms (plants and animals), in the process of making the Earth's climate, **He** was gradually filling our niches with the corresponding species by selecting them (on purpose) from other planets of the universe.

Finally, dear reader, we come to the end. Now we can draw some conclusions and make some plans for the future.

So, the first "stone" in the foundation of the theory of "**Stationary Universe**" has been laid. However, this "stone" is purely philosophical and

all the "fundamental writings" of this hypothesis bear a purely deductive character. Yet it has a reason, for the most important feature of this work is that on its materials one can build a strong epistemological bridge of cooperation between theological and natural sciences. The unifying concept of their cooperation should be the notion of inevitability (I want to emphasize it!) of the "doomsday" in any of its interpretations (e.g., from the point of the second phase of the "big bang").

But, if in the future (and the human community is to live for a long time), it will be possible to prove that the universe is stationary (even in way different from the suggested here), everything in nature will acquire its meaning. And if this is so, the most important tasks of the future should be considered (listed in the order):

- Research for the evidence of Stationarity of the Universe;
- The study of the nature of quarks;
- Development of methods of "immediate" transfer of physical objects in space and time by:
 - a) independent means;
 - b) asking for *God's mercy* in a prayer;
 - Development of creation methods of information codes for matrix of the quark composition of human twins (humanoid?), as well as animals and plants by:
 - a) independent means;
 - b) asking for **God's mercy** in a prayer;
 - Solve problems of **EDUCATIONAL START** (training of the "humanoid" brain).

The implementation of these plans can only be possible when a united civilization is created on Earth, without racial prejudice, managed by a united entity (the UN?) when the people who compose the Earth become united and at last masters the techniques of teleportation of information and material arrays. And then...

What new would you suggest, ladies and Gentlemen?

Moreover as:

1. The Internet is full of articles which doubt the trust to the theory of "Big explosion";
2. For the Christians it will be very important (evacuation) to know that: "According to my plan of "Stationary Universe" the God has the possibility of the Paradise transfer to a safe space at our Galaxy flight

approach to the zone of "Galaxy life cycle change" (see fig.5, point 8) – PARADISE should be transferred nearer to the LENSE area with zero magnetization (see fig.5, point.11) ... there will be a new cycle of Paradise life, and it does be worth of something!!"

P.S. Recommendations for the understanding of the material:

a) Those who are not professionals in this field need to read:

Tomilin "Anecdotally on cosmogony," Wiley, Young Guard, 1975;

AD Chernin "Stars and Physics", Moscow, "Nauka", 1984;

R. Podolny "Something called nothing", M., Knowledge, 1983;

IA Rezanov "The Origin of the Oceans", "Nauka", 1979, (p.153);

BA Vorontsov-Velyaminov "Astronomy" (textbook), Moscow, "Education", 1979.

b) To professionals: do not rush to deny this theory. Return to the new reading after thinking for a while... If you understand me, I will assume that the main goal of the work is achieved: not pleading the merits of the theory of the Big Bang, it is time for it to retire.

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