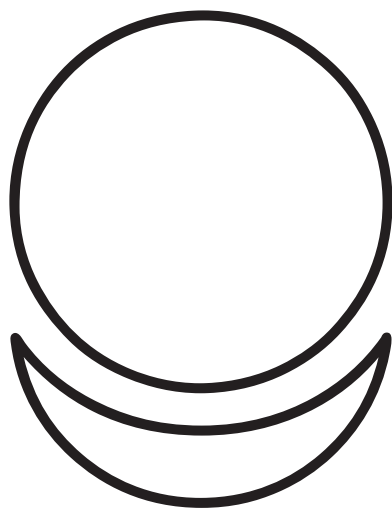


PRIMORDIAL ALLATRA PHYSICS



ALLATRA SCIENCE



The report

"PRIMORDIAL ALLATRA PHYSICS"

The report "PRIMORDIAL ALLATRA PHYSICS" was prepared by the international research group ALLATRA SCIENCE of ALLATRA International Public Movement under the editorship of Anastasia Novykh. The report contains information on the origin and structure of elementary particles, basic building blocks which make up matter; interrelation of elementary particles and cosmology in relation to uniform field theory, electromagnetic and gravitational interactions, alternative energy sources, etc. It shows importance, scale and timeliness of the latest knowledge in the field of fundamental and applied physics. It gives answers to the main unsolved questions of contemporary physics and relevant explanations.

Material is intended to familiarize the members of ALLATRA International Public Movement with the fundamental principles of the PRIMORDIAL ALLATRA PHYSICS.

Contacts: e-mail: science@allatra.org

Official site: www.allatra.org

Permanent web page of the report: <http://allatra.org/en/reports/iskonnaja-fizika-allatra>

Site ALLATRA SCIENCE: www.allatra-science.org



ALLATRA SCIENCE

2015

INTRODUCTION

The PRIMORDIAL ALLATRA PHYSICS contains basic information about the elementary principles of physics of *fundamental particles*, regularities of their interaction. This is really an evolutionary breakthrough for the world science which is currently at the stage of researching the epochal discoveries which were made a century ago. This knowledge affects full spectrum of fundamental and interdisciplinary research in various areas of science: from microphysics to cosmology, and it reveals unique information about fundamental principles of neutrino physics, astrophysics of elementary particles.

What are the *fundamental particles*? What do elementary particles consist of? How to control them? Where does the visible matter appear from and where does it disappear? What are the laws of gravitational interaction based on? What does dark matter consist of? How to create a living and a non-living object? How to ensure self-sustainable living in extreme climatic conditions on Earth and in space? The answers to all of these and many other questions are given in the PRIMORDIAL ALLATRA PHYSICS, which reveals fundamental principles of elementary particles and cosmology in general.

Thanks to the PRIMORDIAL ALLATRA PHYSICS, we can conduct any experiments with absolute accuracy, without guessing and predicting, while complaining about unaccounted for factors. In today's world, vast resources are spent on the maintenance of different research laboratories where with the help of expensive equipment and materials scientists try to create *certain conditions* in order to, in fact, check their

guesses, make observations, make assumptions and determine formulas... with errors. But change the conditions, and a lot of things will change. A simple example. Under normal conditions, distilled water behaves as a dielectric (substance which practically does not conduct electric current). However, during a *solar eclipse*, it behaves as an electrolyte (substance which conducts electric current). Conditions changed – and we got a new result!

After studying the calculation tables indicating inaccuracies (*Note: see further in the report*), one may understand how many elementary errors are made in science during such observations, what the errors of results of expensive experimental research works are, and how easy it is to eliminate them when one knows the fundamentals of the PRIMORDIAL ALLATRA PHYSICS. Why do we need to build the Large Hadron Collider, if any student who knows fundamentals of the PRIMORDIAL ALLATRA PHYSICS can make absolutely accurate calculations of interaction between elementary particles *under any conditions* on his tablet? It would be much more humane to allocate these huge amounts of money, which are spent on expensive research, for the real help to people in need, considering how many people in the world today have to live below poverty level.

Thanks to the PRIMORDIAL ALLATRA PHYSICS, humanity can make an evolutionary change in science as physics is the basis of all natural sciences. The PRIMORDIAL ALLATRA PHYSICS allows us to conduct qualitatively new research works and make discoveries in differ-

ent scientific areas, make exact calculations practically without expenditures. Certainly, this evolutionary knowledge makes it possible to develop any scientific disciplines qualitatively and in a new way, to make breakthroughs in quantum physics, biophysics, chemical physics, geophysics, astrophysics and so on. Research works in these scientific areas based on the knowledge of the PRIMORDIAL ALLATRA PHYSICS have already brought tremendous results, including those in the sphere of studying of new technologies for production and obtaining inexhaustible energy.

The knowledge of the PRIMORDIAL ALLATRA PHYSICS gives access to an inexhaustible source of energy which is everywhere including outer space. It is renewable energy, thanks to which elementary particles are created, move and interact. The ability to get it and to transfer it from one state to another gives us a source of alternative energy: new, safe and available to each person. The potential of this never-ending source of energy is huge; it is much bigger and much more stable and safer than the potential of the Sun or geothermal energy. Moreover, using this source, we do not need any longer to accumulate excessive energy and transfer it to the consumer for further use. Because this energy is everywhere; it can become available to each person, under any conditions, here and now: both on Earth and in space.

Certainly, it will qualitatively change the life of human civilization in general. Nuclear power plants will disappear as unnecessary. Oil, gas and other known power sources will lose their relevance due to high labor intensity of production, storage, exhaustibil-

ity of these resources and their environmental hazard. The use of the inexhaustible source of energy will lead not only to reduction of emissions of harmful gases in the atmosphere, but to utilization of the whole production cycle thanks to qualitatively new opportunities of receiving necessary life-supporting ready-made products.

For humanity it opens up a possibility of absolutely new way of life in which such things as need, hunger will disappear and people will not need to work hard to make a living. People will have more free time. Consumer market will disappear as unnecessary, because each person will be able to make any thing on his own: food, clothes, house, car - for free and in any quantity required. In such conditions, it is possible for the civilization to make a qualitatively new transition to spiritual self-development, large-scale scientific study of the world and itself. But there is also a danger that such discoveries may be used for egoistical purposes. It is known that *harm or benefit of any epochal discovery depends on the domination of one or another worldview of the majority: selfish (consumer) or spiritual and creative vector of thinking.*

Everything in this world is made up of elementary particles. And when we know what elementary particles consist of and how to control it, we can create any living and non-living object, copy and clone it (including phenotypically and genetically identical organisms); in other words, to reproduce it in quality and quantity many times as needed. Already now, thanks to the knowledge of the PRIMORDIAL ALLATRA PHYSICS, scientific research is being conducted in many directions, including in the field of the latest biotechnologies, which

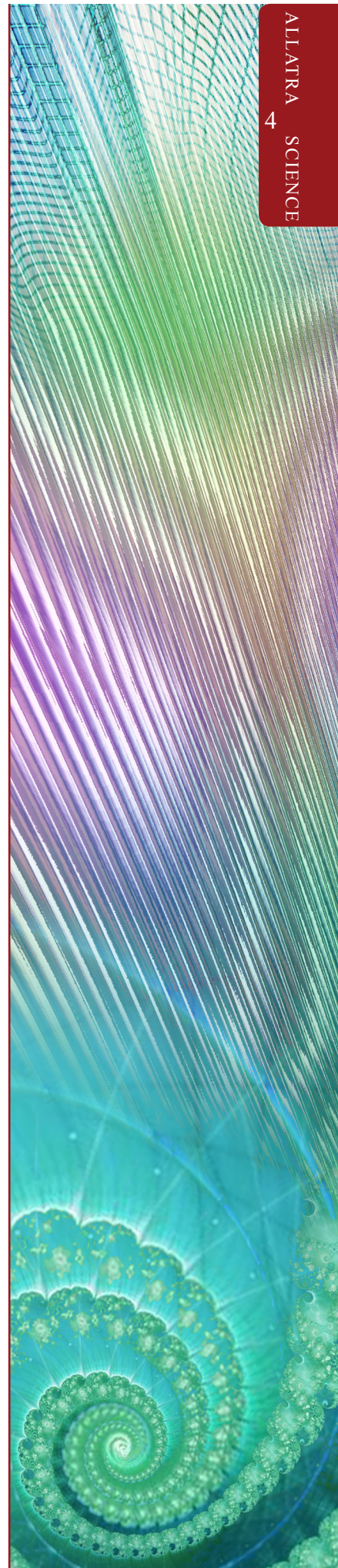




Fig.1 (A) Wild-type fly. (B,C) Flies [syn1, syn2] were synthesized from the WT fly.

1). Figure 1 (A) Wild type *Drosophila* [WT] which was used as a platform for the synthesis of new flies [syn1, syn2] (B,C).

allow to recreate various live organisms, whether it be a small dipterous insect – midge or a large animal. In the long term, it is possible to improve and even create absolutely new living organisms with preset characteristics and properties.

Certainly, this is one of the main directions of scientific and technical progress that will help to accelerate the process of solving many tasks; for example, in the field of food provisions, improvement of ecology, quality of medicine and health care. Under the influence of the newest biotechnology, based on the knowledge of the PRIMORDIAL ALLATRA PHYSICS, medicine can become an exact science. Moreover, it will have a clear understanding of the processes happening in living organisms, not only at the level of molecular and genetic processes, but also at the level of interrelation of elementary particles. Already now, developments of scientists of ALLATRA International Public Movement indicate that prolongation of human life beyond the limit of the species is an absolute reality as of today.

In the future, the PRIMORDIAL ALLATRA PHYSICS is capable of solving the global problem of providing humanity not only with oxygen and other necessary chemical elements, but also with food, clean water, regardless of global climatic changes on Earth or another planet; mining, agricultural, industrial production, availability of water sources and so on. Creating from elementary particles of ready-made high-quality free food in necessary quantity, clear water, air and so on will make human life qualitatively better, will provide in full everything necessary for vital life function. Moreover, it will free

people from hard work, from a whole chain of cycles of industrial production and related issues, will give a chance to preserve the environment, to restore and increase the wealth of flora and fauna.

We will not need to use huge land grounds, for example, to grow wheat, and then subject it to processing by passing it through a whole cycle of various technological processes in order to get a ready edible product. After all, it is possible to get from elementary particles the same tasty, healthy, real freshly-baked bread with any required characteristics and in any quantity. It is not necessary to grow, and then kill an animal in order to get any kind of a meat dish. Because everything is made up of elementary particles. If we know their combinations and laws of interaction, it is possible not only to make this product (with necessary quality and a set of useful properties), but also to copy it according to the same programme in necessary quantity. By using this knowledge, it is possible to dispose all waste without harm to nature.

The PRIMORDIAL ALLATRA PHYSICS at its full, accelerated development, will allow people to solve, in a short time, a number of strategic vitally important problems for humanity, not only in the field of innovative power, life support, but also in the field of climatic geo-engineering. Today, humanity has a real chance to survive in the conditions of global climatic change on the planet, which, unfortunately, is inevitable in the next decades. In the field of climate geoengineering, a number of successful research works have been conducted. New directions, which are based on the

knowledge of the PRIMORDIAL ALLATRA PHYSICS have been developed. Already now it is possible to say that new developments in the field of climatic geoengineering open broad opportunities and prospects for further scientific activity in this direction. They allow to monitor climate; to determine, taking into account a multi-factor analysis, the course of further developments related to climate change; to find compensatory mechanisms of nature and to start the necessary local or general adaptive actions, directed to change climatic conditions (*Note: for more details see the report " On the Problems and Consequences of Global Climate Change on Earth. Effective Ways to Solve These Problems ", <http://allatra.org/reports/o-problemah-i-posledstvijah-globalnogo-izmenenija-klimata-na-zemle>*).

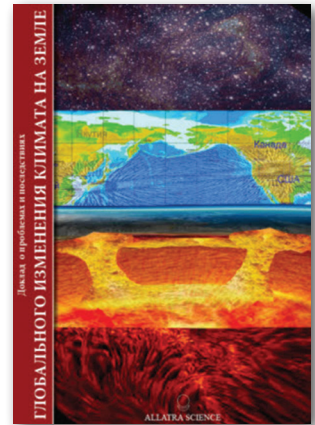
It is known that absolutely all modern technologies are based on fundamental scientific research, and physics plays the leading role here. Scientists note with concern that over the last 50 years there have been no major discoveries in the world in the field of natural sciences. There are many reasons for that, but the main one lies in the intensive development of a consumer society. And it includes many things, beginning with the formation of egoistical worldview in the majority of people, changes in quality of education of modern generations for the worse and ending with balancing of many countries on the verge of economic and political collapse. And often, as a result of the latter, some states are engaged in banal political imitation of "prestige" or achievement of some kind of "progress", which do not correspond to reality. Undoubtedly,

this situation affects such important for humanity field of science as space exploration as well.

Today the leading space countries, which until recently were pioneers of space, cannot even achieve such a great success that they made half of a century ago. Nowadays, the study of space, in most cases, is limited to unmanned flights in near space. And the majority of piloted flights are still made within the thermosphere (at the heights of no more than 400 km from the Earth surface, that is, in the space of low Earth orbit) because science has not yet found the means of protection against space radiation. Even problems of astronautics remain largely unsolved, beginning with fundamental research, technical questions, and ending with applied questions. Astronauts still need improvement of hygienic conditions, a solution of a number of elementary household problems during their stay at a space station. After all, engineers are still unable to create a washing machine and a practical enough shower for spaceships. In the conditions of zero gravity, liquid water also remains a problem, considering sensitivity of the electronic equipment and devices onboard a space station. People still cannot live self-sufficiently in space, as they constantly need to get from Earth fresh supply of food, water, air, spare parts for maintenance of their ship and so on.

The PRIMORDIAL ALLATRA PHYSICS is capable of solving not just these problems. It is the knowledge that leads to evolutionary space breakthroughs, it is a huge potential to create new research and scientific directions. The knowledge of the PRIMORDIAL ALLATRA PHYSICS gives an essentially new

The report
 "On the Problems and
 Consequences of
 Global Climate Change
 on Earth. Effective Ways
 to Solve
 These Problems".



You can read the report
 via the link:
<http://allatra.org/reports/o-problemah-i-posledstvijah-globalnogo-izmenenija-klimata-na-zemle>

"What seemed to be unrealizable for centuries, and yesterday was only a daring dream, today becomes a real challenge, and tomorrow – an accomplishment. "

S.P. Korolev

"We do not rest satisfied with the present. We anticipate the future as too slow in coming, as if in order to hasten its course; or we recall the past, to stop its too rapid flight. So imprudent are we that we wander in the times which are not ours and do not think of the only one which belongs to us. "

Blaise Pascal

"When you have universal keys (knowledge of fundamentals of elementary particles) in your hands, you can open any door (of micro- and a macrocosm)".

understanding of answers to such questions as: "What to fly on?", "How far is it possible to fly?", "In what conditions to fly and how to create the artificial gravitation similar to terrestrial conditions on-board a spaceship?", "How to live self-sufficiently in space?", "How to protect ship from space radiation?". They also give an understanding of the essence of the Universe, which is a natural "laboratory" of elementary particles and which conducts "experiments" in conditions which are impossible on Earth.

The PRIMORDIAL ALLATRA PHYSICS gives a deeper understanding of the origin and evolution of the Universe. It opens new milestones in the field of cosmology, quantum physics, space biology, gravitational

biology and biotechnology, planetary science, physics of the heliosphere and the near Earth space environment, physics of space rays, extra-atmospheric astrophysics. This knowledge allows humanity to overcome ionizing radiation, UF-radiation, problems connected with vacuum and overcoming of meteoric danger, change of magnetic field; it opens opportunities for existence of humanity on other planets in other gravitational conditions and so on. And it is not a fantastic perspective of the far future. This is a real tomorrow, and in many ways already today. When you have universal keys (the knowledge of fundamentals of elementary particles) in your hands, you can open any door (in the micro- and a macrocosm).

HISTORY

Intensive development of the PRIMORDIAL ALLATRA PHYSICS began in 1996 when the fundamentals of this knowledge were introduced to a group of scientists. Already the first familiarization with the PRIMORDIAL ALLATRA PHYSICS gave an understanding of the paramount importance of this knowledge for humanity, but at the same time, it is extremely dangerous in the conditions of development of a consumer society. It is no secret that any significant advanced scientific development and achievements, innovative technologies of civilization, are used, first of all, to create a new type of weapon, to improve methods of manipulation and control of the consciousness of masses. It was extremely untimely to distribute this information openly in the system of consumer society, considering the situation at that time. Indeed, in the conditions of spiritual and moral crisis, massive lack of awareness of these issues in the society, the

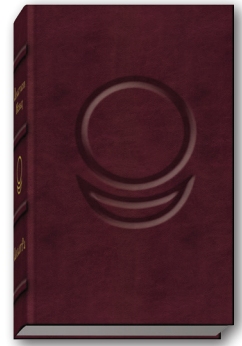
increasing usurpation of power by the world's elite, including the field of controlling the development of science, this important knowledge for humanity might be turned into the instrument of power formation. Therefore, for a long time, this information was not made public, but scientific work, various research works on the basis of the PRIMORDIAL ALLATRA PHYSICS did not stop. However, with time, it became clear, considering the new fundamental knowledge and the opening possibilities, that it is necessary to create such conditions which do not depend on the world's political and priestly ambitions, which would facilitate free studying of science and attract a greater number of progressive world scientists to fundamental development, who specialize not only in the field of physics, but also in the adjacent scientific directions.

Thanks to the series of books by Anastasia Novykh which cover spi-

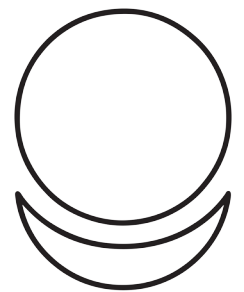
ritual and moral aspects of revival of creative society, independent ways of human spiritual development of man on the basis of the primordial knowledge, a wide circle of people has got access to some basic concepts of new physics. The foundation of the knowledge of the PRIMORDIAL ALLATRA PHYSICS was laid by Anastasia Novykh in the books "AllatRa" and "Ezoosmos" (all books were laid out by the author in a free access on the Internet). Many basic understandings of difficult physical processes in these books were given in the allegorical form convenient for understanding by a wide range of people. In fact, this fundamental knowledge which deals with different areas not only in physics, but also in other scientific disciplines, became available to progressive world community, which shows interest in spiritual and moral bases of humanity, self-knowledge, self-development, broadening of the outlook of knowledge in different fields of science. The knowledge given in Anastasia Novykh's books attracted the attention of the active part of intellectual community. They drew attention of many smart people who are living by their Conscience and are interested in promoting development of the society exclusively in a spiritual and moral way. Moreover, as

experience shows, these books began to facilitate wide-ranging changes in society's way of thinking: from a consumer format into a spiritual, moral and creative vector.

As a result, the knowledge that has been given in the books, united a great number of decent, clever, talented, conscientious people from different countries of the world on a spiritual and moral basis. All this turned into a mass popular movement at the international level – ALLATRA International Public Movement (www.allatra.org). This greatly increased the opportunities to warn the international community about impending threats and risk and allowed to attract decent, talented scientists to the development of new perspective directions in science on the basis of the PRIMORDIAL ALLATRA PHYSICS. These are people of Honour and Conscience, who came to science not for the sake of money and glory, but for the sake of developing science for the benefit of society, for the sake of the higher humanitarian purposes. It is that spiritual and intellectual foundation of independent world science, which allows under present conditions to operatively solve many global problems, challenges, threats and risks of the present time, including those which concern the entire planet.

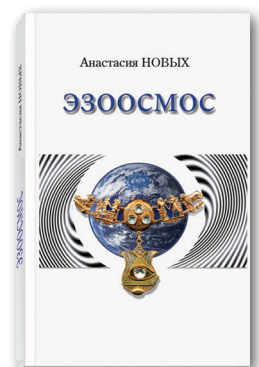


Anastasia Novykh
"ALLATRA"
<http://books.allatra.org/en/kniga-allatra>



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ABOUT THE REPORT

The results of scientific research in many directions on the basis of the knowledge of the PRIMORDIAL ALLATRA PHYSICS gave an actual understanding of nature of origin of such physical phenomena as: *time, space, mass, gravitation, electricity, magnetic field, light* and many others. Today, considering the available extensive base of information, experience of application of the PRIMORDIAL ALLATRA PHYSICS in different scientific areas, including in the field of geophysics (in particular, in the developments concerning new methods of research in seismology, volcanology and climatic geoengineering), there was an urgent need to declare more openly some information based on the knowledge of the PRIMORDIAL ALLATRA PHYSICS. This forced announcement is connected with the dangerous degree of an emergency situation, caused by entering of the planet Earth into the cycle of irreversible climatic changes, and the existing risks and threats for humanity in the nearest decades (*Note: for more details see the report "On the Problems and Consequences of Global Climate Change on Earth. Effective Ways to Solve These*

Problems" of ALLATRA International Public Movement). And most of all, it is connected with the situation which has been formed in the world society today and with a sensible assessment of events in the near future, taking into account the changes introduced by people themselves into societal interrelations.

The PRIMORDIAL ALLATRA PHYSICS report is intended for primary familiarization of the participants of ALLATRA International Public Movement from different countries of the world with the fundamentals of the PRIMORDIAL ALLATRA PHYSICS. It is only an "alphabet" of fundamentals of elementary particles. But it is enough for clever people to understand the essence and importance of this issue and, by comparing this information, to draw independent conclusions. For a better understanding of the fundamentals of the PRIMORDIAL ALLATRA PHYSICS by the participants in the course of reviewing one or another standard scientific theory or fact, the terminology from Anastasia Novykh's books, characterizing the fundamental basic concepts, was deliberately used in this report.



REPORT

"PRIMORDIAL ALLATRA PHYSICS"

HISTORICAL BACKGROUND


ATOMS

The doctrine of the Great Emptiness, discrete (intermittent) structure of matter, indivisible particles, was known to people in different epochs and cultures. In remote antiquity, it was integral and reflected spiritual and material principles of the world and man. The more this knowledge passed through a prism of consumer egoistical thinking, political and religious fanaticism, the more initial essence was lost, and distortion and misunderstanding in fundamental principles were brought in.


For example, in the East people know about indivisible particles from the earliest times. People had the view that the world consists of "Great emptiness", "Po grains" due to the spiritual knowledge that existed for thousands of years before the time, when, according to modern views, the "founder" of atomism, ancient Greek philosopher Democritus (apprx. 460 BC – 370 BC) popularized in Greece the teaching,

which was known in the East, about existence of the smallest invisible particles of which all surrounding subjects consist. Such fundamental indivisible particles were called *atoms* in ancient times. The ancient understanding of atom as the foundation of the Universe was qualitatively different from the modern understanding in which atom is only called the smallest part of chemical element. It is known that the Ancient Greek word "atomos" (Greek *ἀτόμος*) means literally "indivisible", that is, a particle which can not be divided into smaller parts. This concept came to Ancient Greece from the East.

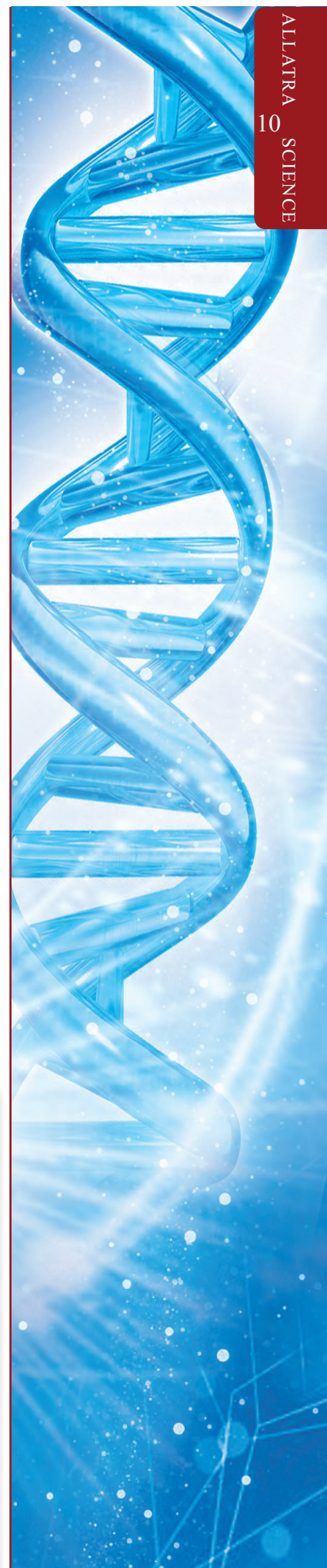
For example, in Ancient India there was a word Atman (also Atma) to denote "one and indivisible". In Sanskrit, there is also such a concept as "anu". In Sanskrit the word "anu" ("atom") is a title of the supreme creator – Brahma (the word "Brahma", translated from Sanskrit, means "sacred power, which gives effect"), which is said to be the *smallest atom, as well as the unlimited, all-encompassing Universe, meaning that everything consists of it.*

 *If we translate the word "Atman" (Atma) from one of the most ancient languages – Sanskrit, it was initially used to denote concepts of non-material character: "the Soul, the divine essence, world's spiritual nature, eternity". The concept of "Atma" was generally used in the theory explaining the structure of the whole world from macro - to micro objects.*

References: Философия: Энциклопедический словарь / глав. ред. Ивин А.А. [Philosophy: Encyclopedic Dictionary/ head editor – A.A. Ivin] Moscow, Gardariki, 2004 [In Russian]; Новая философская энциклопедия: в 4 т./глав.ред. Степин В.С. [New Philosophical Encyclopedia: in 4 volumes/head editor – V.S. Stepin] Moscow: Mysl, 2000-2001 [In Russian].

 *In Hinduism, Brahma is the unknowable principle of the Universe, from whose essence everything originates and everything comes back to it, eternal, without beginning and end. In the archaic forms, Brahma was also the initial highest god, who is responsible for acts of creation (rebirth) – creation, preservation and destruction of material aspect of all things.*

References: Философский энциклопедический словарь / глав. ред. Ильичёв Л. Ф., Федосеев П. Н., Ковалёв С. М., Панов В. Г. [Philosophical Encyclopedic Dictionary/ editors - L.F. Ilichev, P.N. Fedoseev, S.M. Kovalev, V.G. Panov] Moscow: Soviet Encyclopedia, 1983 [In Russian]; Новая философская энциклопедия: в 4 т./глав.ред. Степин В.С. [New Philosophical Encyclopedia: in 4 volumes/head editor – V.S. Stepin] Moscow: Mysl, 2000-2001 [In Russian].




Ancient people of Mesopotamia (residents of Sumer and Babylonia) considered Anu the highest supreme god honored from the earliest times. Initially he was connected with the goddess Ki. In the East (India, China, Japan) there is a term "qi" which is still used to denote *energy*.

In India, the smallest parts of the Universe were called *paramanu* (in Sanskrit *anu*, *paramanu* mean "thinnest", "smallest") and were used as an understanding of what the minimal "*building block of the Universe*" is. In various schools of Indian thought, one can still find mentions that each *paramanu* contains characteristic qualities of all elements in an unmanifested form which emerge in the process of creation of material compounds – *skandhi*. Translated from Sanskrit "*skandha*" (in the Pali language – "*khandha*") means "heap", "bunch", "group", "unit" or, using modern language, – "cluster". It was specified in ancient Indian doctrines that unique properties of these particles are their *impenetrability and the superthinnest state, thanks to which they are able to go far and wide in the Universe. Unchangeable, inconceivable, indivisible particles formed temporary and perceptible objects. The*

basis of indivisible particles and their connection with each other is carried out by the force of non-material character. In one point of space there can be a large number of paramanu. (Note: see further in the report the information on real and phantom Po particles, the force of Allat).

Echoes of this ancient teaching which existed in the East can be found in different Indian literary books including such collection as "*Vaysheshika-sutra*" where there is a mention about an extremely small particle which has a spherical form (*parimandalya*) and which is a constant unchangeable first cause of things, the carrier of "final distinctions", the substratum of constant qualities, the minimum size of substance of elements. According to the ancient teaching, all things consist of "nothing", and the limit of division of material things, the elementary part of the Universe is an atom. The combination of these smallest particles is matter. After proper familiarization with the report "*PRIMORDIAL ALLATRA PHYSICS*" all this ancient knowledge will become quite clear, proved at the level of modern physics. Moreover, you will have an integral understanding of its essence; and all the contradictions,

 *Ancient Egypt. One of the most ancient gods of first-creation in Egyptian mythology has the name Atum (Ra-Atum). It is interesting that this word sounds like that according to interpretations of translators. In fact, we know only that in the ancient Egyptian language vowels were not reflected in written form, the word Atum was represented only by the signs of consonants. We know from mythology that Atum symbolized **initial and eternal unity of all things**, that he originated from himself, from primary chaos in the form of a snake. The image of a snake in motion, as a rule, in ancient times denoted a **wave structure or a spiral**. In the sacred book of ancient Egyptians which scientists nowadays conventionally named "*Book of the Dead*", in chapter 175, it is mentioned that Atum tells god Osiris about the end of the world, that all he had created, again he would destroy, and he himself again would turn into a snake. The creating hand of Atum is Iusaaset ("*the greatest among those who comes*"). It is one of the first ancient goddesses mentioned in Ancient Egyptian mythology, the foremother of all gods. She was identified with the sacred tree of Life and Death. In Ancient Egyptian art she was represented as a woman with the **AllatRa sign** (a circle and a half-moon).*

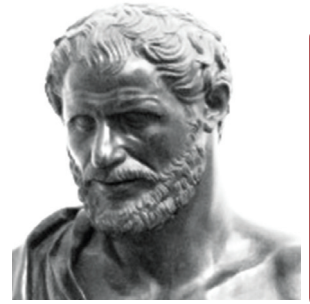
References: Гладкий В.Д. Древний мир. Энциклопедический словарь. В 2-х томах. [Gladky, V. D. Ancient World. Encyclopedic Dictionary in 2 volumes] Moscow: Centropoligraf, 1998 [In Russian]; Hart, George. A Dictionary of Egyptian Gods and Goddesses. London: Routledge, 2006.

which were typical of different ancient schools of the East which studied this primordial knowledge, will disappear.

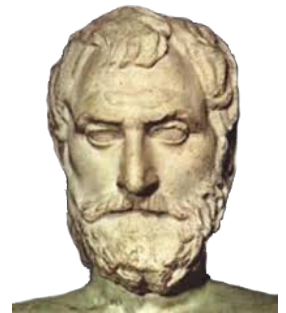
It is known that the ancient doctrine about atoms was popularized in the West by Democritus and his adherents. For many years he traveled around the East and studied worldview and sacred knowledge of different nations. He lived in India, Babylon, Persia which had the thousand-year wealth of experience of spiritual heritage of human civilization, including the concepts about the world structure and man, about the Earth, about distant stars, the Great emptiness and the Universe. Democritus had been to the east of Africa – in Ethiopia, lived in Egypt, in this treasury of ancient scientific and spiritual knowledge of Ancient Egyp-

tian civilization. He spoke with Egyptian priests – the guardians of secrets of ancient manuscripts. It is not surprising that the worldview of this person reflected his own understanding of echoes of the ancient knowledge obtained during his journey around the East. And if we take into account the errors of translation, information which was passed through the prism of traditional thinking and peculiarities of Western culture, it is possible to understand why with time this ancient knowledge was even more distorted. And nevertheless...

In this doctrine, atoms were considered as the initial, "smallest indivisible, impenetrable, non-vanishing, non-arising, invariable, not comprising of emptiness".



Democritus
(Δημόκριτος;
c. 460 – c. 370 BC)



Leucippus (Λεύκιππος;
500–440 BC)

📖 According to the views of ancient Greek philosophers Leucippus and Democritus, there are only atoms and emptiness: "Throughout the world, the divine substance of peculiar atoms of the finest properties is spread"; "... particles of this substance, which is spread in the air"; "only indivisible (atoms) and empty space applies to the truth".

References: *Reallexikon des klassischen Altertums [Encyclopaedia of Classical Antiquity]* editors – Friedrich Lübker, J. Geffken, E. Ziebart – Leipzig: Teubner, 1914.

📖 "Atomists thought that collisions of atoms in the void generated a **whirlwind** which was the beginning of the world formation. Thinking was interpreted as a result of certain movements of atoms".

References: *Словарь античности/ глав. ред. Ирмиер Й., Йоне Р. Пер. с нем. [Dictionary of Antiquity/ head editor – J.Irmscher, R. Jone, translated from German]* Moscow: Progress, 1989 [In Russian]

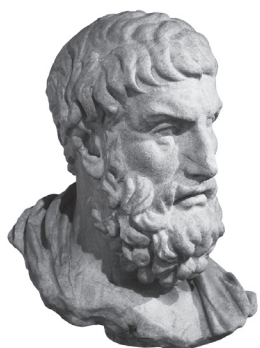
📖 The knowledge borrowed by Democritus from ancient spiritual teachings of the East (about the Great emptiness and indivisible particle which possesses true life, not destroying and not arising), was processed by him in the teaching **«atomistic materialism»**:

- The beginning of the Universe was atoms and the void, all the rest exists only **in opinion**.
- Only in the general **opinion** there exists sweet, **by convention** bitter; **by convention** warm, **by convention** cold, **by convention** color; **whereas in reality there are only atoms and the void**.
- There are **initial causes**, endless in number, but indivisible due to their too small size. These minimal initial bodies are atoms...
- Can different bodies consist of the same atoms? Yes, they can. As different books are written with the same letters.
- Atoms are the substances which are not interacting upon others and are resistant to influence. Disseminated in emptiness when they approach each other or run up against each other; or engage with each other; then from these conglomerates of atoms one seems to be water, another – fire, the third – a plant, the fourth – a man.
- In the initial chaos of atomic motions in the Great Emptiness ... a whirlwind is formed.
- There is a countless number of worlds, they are various in size, appear from infinite emptiness, arise and die ... In some worlds there is no Sun, no Moon, in others – Sun and Moon are bigger, than ours, and some have more of them. The distances between worlds are not the same; moreover, in one place there are more worlds, and in another – less. Some worlds are growing, some are flourishing, and others are already declining. In one place worlds arise, in other – disappear ... Some worlds have no animals and plants and are completely deprived of moisture.
- There are two types of acquiring knowledge: one true, the other - dark. To the dark one belong all following types: sight,

References: Таранов П.С. «120 философов: Жизнь. Судьба. Учение. Мысли»: Универсальный аналитический справочник по истории философии в 2 т. [Taranov, P.S. "120 philosophers: Life. Fate. Teaching. Thoughts": Universal analytical reference book on history of philosophy in 2 volumes] Simferopol: Renome, 2005 [In Russian].



Francis Bacon
(1561–1626)



Epicurus (Ἐπίκουρος;
342/341BC; Samos
271/270 BC; Athens)



Anaxagoras
(Ἀναξαγόρας;
Clazomenae;
c. 510 – 428 BC)



Titus Lucretius Carus
(c. 99 BC – c. 55 BC)

Today, for the new generation Democritus is described as the founder of atomism (the doctrine of discrete structure of matter) and materialistic philosophy, as they say, covering things up by this name and not going into the details of borrowing of ancient knowledge of the East by the West. As usually happens in such cases, they publicly state the "fact" that no work of this ancient scientist has remained so far, that there are only quotes and reviews of his ideas and works mentioned in works of later antique authors.

Anyway, the doctrine about indivisible particles, about discrete nature of matter continues to exist in different philosophical schools, both in the East, and already in the West, where everyone interpreted it in his own way. For example, in the East in the VII-IX centuries, the doctrine of indivisible particles, the structure of matter, space and time was known in Arabian and Muslim world due to mutakallimūn. In the West, atomism can be found in the works of ancient Greek philosopher Epicurus, Roman philosopher Titus Lucretius Kara, in the doctrine about homoiomérea (from the Greek word "ὅμοιος" – "similar", "μέρος" – "part") of ancient Greek philosopher, mathematician, astronomer Anaxagoras, ancient Greek representative of naturalistic philosophy Archelaus, in the doctrine of Greek philosopher Diodorus Crohn, or to be more exact, mathematic version of atomism, in the doctrine about triangles of ancient Greek philosopher Platon and so on. Everyone dealing with this issue considered it necessary to call it his teaching, to bring there his understanding from the mind, often mistaken. Consequently, such distorted heritage led future generations into the world of illusions and deceptions, thereby *forming science of observing external manifestations without the*

understanding of internal essence of processes which take place.

In the XVI century English philosopher ("the father of English materialism"), influential politician, Lord Chancellor Francis Bacon (1561–1626), relying on Democritus's ideas, brought even more distortions in the essence of this knowledge. He presented matter as active and indestructible, believing that there are no matter "bricks", that its divisibility, in his opinion, has to be infinite. In fact, even in determining the goals of science, that man reflected his selfish ambitions. He considered that the purpose of science is to increase *the power of man over nature*, as *soulless material* which has to be *used by man*. Such expressions – not news to anyone who knows history of world politics and knows how, behind the scenes, at the world's political kitchen, they are preparing real political events and political "dishes" of deception for people. It is not surprising that *some* politicians still believe that their electorate, i.e. people, is a *soulless biomass*.

There were also other people who spread this knowledge, based on their understanding and perception of the world. For example, in the XVII century it was Pierre Gassendi (1592–1655), French philosopher, priest of Roman church, professor who worked in the field of history (research of ancient texts), mathematics, astronomy, and mechanics. His works on atomic theory are, in fact, just retelling of atomism of Epicurus mixed with his understanding, typical of standard theological views generally accepted in that region and era. Gassendi introduced for the West the concept of molecule (the Latin word "moles" means "mass", with a diminutive suffix of "cula" – "the small mass, a particle") as small mass, primary combination of atoms which acquired new

properties. It should be noted that in the Middle Ages the language of science in the West (language of theologians, lawyers, physicians) was considered to be Latin, therefore all scientific terminology, in fact, was Latinized. Taking into account that the word "atom" was considered to be of Greek origin, it was withdrawn from usage and replaced by Latin "corpuscle", meaning "part", "little body" ("corpusculum", diminutive term of Latin word "corpus" - "a little body, a particle, a tiny little body"). This term denoted the smallest particle of matter or aether. So in the XVII-XVIII centuries in natural-science systems, atomistic (corpuscular) theories appear. According to corpuscular philosophy of Gassendi, atoms represent infinitely small, subtle, indestructible particles which make up all bodies. Between them there is an empty space, atoms influence each other, move and move again, combine in structures – molecules. He believed that atoms – the base of all things – are created by God, and even light and warmth consist of atoms.

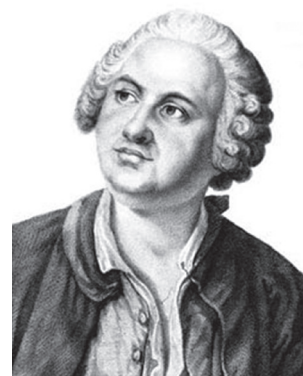
During this era, there was a whole group of scientists who studied ancient information about the smallest indivisible particles and discreteness of matter, relying on them in their explanations of world picture. They admired them, criticized. But these arguments about their own understanding of this ancient knowledge, one way or another, found reflection in their works. For example, such scientists as: Italian physicist, astronomer, philosopher and mathematician Galileo Galilei (1564–1642); Italian monk, philosopher Giordano Bruno (1548–1600); French philosopher, physicist, mathematician René Descartes (1596–1650); Dutch astronomer, physicist, mathematician Christiaan Huygens (1629–1695), whose student was a German philosopher, physicist, mathematician Gottfried Wilhelm Leibniz (1646–1716); English physi-

cist Isaac Newton (1643–1727); Irish chemist, theologian Robert Boyle (1627–1691) and many others. It is natural that new generations, which came after them, studying their works, again continued to research the information on indivisible particles, but already in accordance with generally accepted views and worldview of the epoch of that generation. The works of Leibniz influenced many German scientists, among whom there was also German scholar and lexicographer, mathematician Christian Wolf (Christian Freiherr von Wolff; 1679–1754). In his time at young age, future Russian scientist-lexicographer of world importance, physics, chemist, mineralogist Mikhail Lomonosov (Михаил Васильевич Ломоносов; 1711–1765) attended a course of this scholar while acquiring additional education in Europe.

Under the influence of works of different scientists, including Robert Boyle, Mikhail Lomonosov created the molecular-kinetic theory of heat, the atomic-kinetic conception about discrete structure of matter and the smallest indivisible particles which he called in his works "elements". In his thesis "Elements of Mathematical Chemistry", he writes: "An element is a part of a body that does not consist of any other smaller and different bodies ... corpuscle is a collection of elements forming one small mass." He described in his works the same ancient knowledge, but it was his interpretation, based on his understanding. For example, there was a mention about the principle of conservation of force (energy) that all substances consist of corpuscles – molecules, which in their turn are "collections" of elements, i.e. atoms. Atoms are *spherical rotating particles*. In his works we can find the same ancient knowledge that one of the fundamental principles of the Universe is *rotating movement* (*Note: for information about spiral*



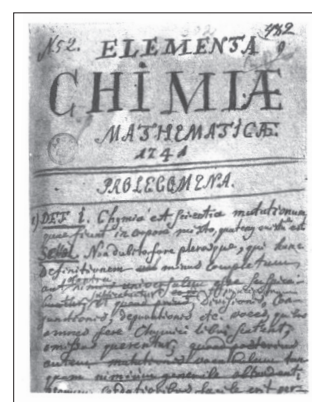
Pierre Gassendi
(1592–1655)



Mikhail Vasilyevich
Lomonosov
(1711–1765)

“ If you do do something good with hard work, hardship will pass and good will remain, and if you do evil with pleasure, pleasure will pass, and evil remain. ”

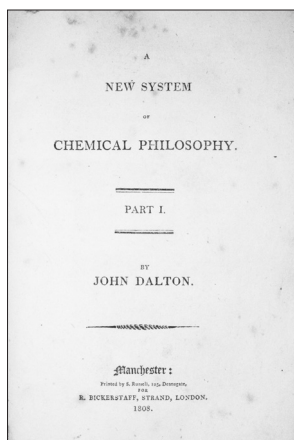
M.V.Lomonosov



"Elements of Mathematical Chemistry"
dissertation of
M. Lomonosov.



John Dalton
(1766–1844)



John Dalton
"A New System
of Chemical Philosophy"
(1808)



Dmitri Ivanovich
Mendeleev
(1834–1907)

"Science is beneficial only when we accept it not only with our mind but also our heart."

Truth is revealed in silence to those who is looking for it".

D.I. Mendeleev

movement, please refer to the book "AllatRa"). Modern scientists write about him, "he was at the beginning of general law of nature and laid the foundation of picture of natural sciences in the XIX century", "his works in many ways anticipated the fundamental laws discovered much later and modern view of discrete structure of matter".

So, why does today's humanity know atom not as a fundamental indivisible (structureless) particle of matter, but just as the smallest particle of a chemical element, preserving the properties of such an element? Today in the history of modern science, it is considered that it was John Dalton (1766–1844), British chemist, physicist, scientist, one of famous scientists of the early XIX century, who revived atomism and fundamentally introduced into science the concept of atom. In fact, this person, while knowing about the ancient concept of indivisible parts – atoms, to a great extent distorted the remains of the ancient teaching and the concept of atom as such for future generations. In modern sense, this distortion is the same as if we take terms of high energy physics (the concepts of invisible bosons, their integer spins) and use these concepts to explain the structure of visible ordinary chemical compounds because of the lack of understanding of their essence and functions. For example, take a chemical compound of water (H₂O) as quite tangible substance and give such a definition that oxygen now and forever will have such a name as "boson", and let hydrogen be called "spin". That is, obvious misunderstanding of ancient knowledge and attempt to apply the knowledge of invisible fundamental processes to quite tangible phenomena.

So did John Dalton. He tried to explain chemistry with the help of ancient

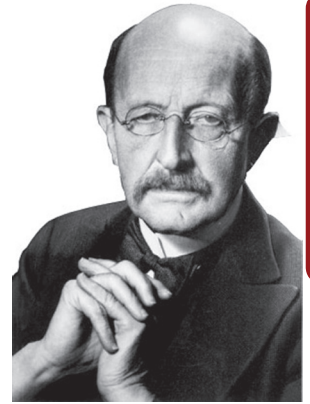
atomistic views. It is not surprising that in his conception there were many contradictions. For example, in his work "New System of Chemical Philosophy" (1808), he gave such a definition: "Atoms are chemical elements which cannot be recreated or divided into smaller particles or destroyed by any chemical transformations. Any chemical reaction just changes the order of atoms arrangement". He began to consider chemical reactions as processes of connection and separation of atoms to explain *abrupt* changes of structure when one compound transforms into another. He introduced the concept of "atomic weight", taking for unit the atomic weight of hydrogen, offered the system of chemical symbols for "simple and complex atoms" and so on.

On the one hand, thanks to his works, Dalton pushed science towards development of theoretical chemistry and creation of chemical industry. On the other hand, his definitions of atom which were later generally accepted by society, distorted the understanding of the essence of fundamental indivisible particle of matter. When in the 19th century it became clear that "chemical atoms" could be divided into smaller elementary particles, it led to the fact that future generations neglected this "primitive knowledge" of antiquity and started treating it as philosophy which has nothing to do with exact sciences. But the case is not even in this scientist. When we understand how and why, at the end of the 19th century and at the beginning of the 20th century, the ancient concepts of "atom", "aether" (as the concept connected with free energy) were distorted and discredited, cutting off at once the desires of future generations to go deeply into the history of this issue, it becomes quite obvious, why it was

done and why now science came to the deadlock on the most important questions of physics of high energies, concerning studying of the latest physics of macro- and a microcosm.

At the end of 19th – the beginning of the 20th centuries, a whole range of major discoveries were made by scientists, who during their scientific career still studied works of the past and were familiar with atomistic conception of ancient times. Among them are discovery of the periodic law of chemical elements which was made in 1869 by the outstanding Russian scientist-encyclopedist, chemist, physicist Dmitry Ivanovich Mendeleev (Дмитрий Иванович Менделеев; 1834–1907),

and the proofs of famous German physicist-theorist, founder of quantum physics Max Planck (1858–1947) that the radiation and absorption of energy have discrete character (1900) and so on. People use these discoveries up to this day. However, today humanity came already to such a level of science in studying the microcosm that these discoveries based on external observation do not give the understanding of processes occurring within the system which they study. New fundamental discoveries now are extremely lacking the primordial knowledge of antiquity which is partially given, analyzed from the perspective of modern physical concepts in this report.



Max Planck
(1858–1947)

“Science represents an internal single whole. Its division into separate areas is caused not so much by the nature of things, but by limited human perception”

Max Planck

ABOUT THE ETHER

In ancient times, together with the conception of knowledge of fundamental indivisible particles of matter – atoms, there were also mentions about an *inexhaustible source of free energy* which was characterized as omnipresent and pervasive (“there is no place in the material world, where it would not be”), one of fundamental principles of the material world. In the extant ancient Indian texts which have preserved to present time, it is called “akasha”. Ākasa – a Sanskrit word formed from ā + kāś, literally “shining forth”, “endless shine”, “illuminated space”.

References: The Pali Text Society's, Pali-English Dictionary. Edited by Davids, Rhys; Stede, William. London, 1921-1925.

Decryption of this term points to the fact that ancient people knew about properties of the inexhaustible source of energy which many centuries later were found by Serbian physicist and inventor Nikola Tesla (1856–1943). But about that - a bit later.

In interpretation of the ancient text into

European languages, translators explained the sense of such concept as Akasha, as “that which lies at the root...”. Thus, in the context of the Greek language it already sounded as “essence” (ousia, i.e. the primary). And in Latin, the Greek word “essence” was designated by the concept “substance” (substantia) and considered as “fundamental principle of phenomenon”, matter in the terms of unity of all the forms of its motion, all the differences and oppositions arising in this movement. Modern dictionaries contain such definition of the word “akasha” as spatial substance from which “the beginning of manifestation”, “an initial impulse” comes.

Ancient mentions have remained that akasha has only one characteristic sign – Sound (*Note: refer to the book "AllatRa", p. 53*). And the Sound as unheard, very subtle vibrations of unmanifested Sound (which is also mentioned in ancient texts as the Primordial Sound), which is the reason for all consecutive manifestations of invisible and visible, thin and rough elements of the Universe.

आकाश

Ākāsa - a Sanskrit word derived from ā + kāś, literally meaning "lights on", "continuing radiance", lightened space.

"Long ago he (Editor's note – man) recognized that all perceptible matter comes from a primary substance, of a tenuity beyond conception and filling all space - the Akasa or luminiferous ether - which is acted upon by the life-giving Prana or creative force, calling into existence, in never ending cycles, all things and phenomena."

From Nikola Tesla's article "Man's greatest achievements" published in "New York American" on July 6, 1930.

Akasha – *the carrier of quality of such Sound* and is described as infinite, omnipresent *substance of the Universe which penetrates everything, has no material form, but gives a basis for a variety of things*. It is mentioned that all objects in the world have the properties of spatial separation from each other due to the fact that they are surrounded by akasha and interact with it. The manifestation of akasha is everything that represents a combination of elements, that is tangible, audible, visible. At the same time, it is so thin that it is not perceived by human senses. In translations of ancient Indian teachings, it is said that at emergence of the world there was only this *substance* and when the world cycle is completed, everything will revert into akasha again, and the next cycle will begin with that substance again..

References: Зорин В. И., Евразийская мудрость от А до Я: философский толковый словарь [Zorin, V.I. Eurasian wisdom from A to Z: philosophical explanatory dictionary] Almaty: Sozdik-Slovar', 2002 [In Russian].

The extant mentions of akasha can be found in the literature about teachings of ancient Indian philosophical schools, such as Vaisheshika, Nyaya, Sankhya and others, philosophers of which tried to argue about even more ancient knowledge which remained in their time. For example, in Sankhya, akasha is treated as "causing" akasha and the "caused" akasha, and explanations concerning such a transformation are given. This knowledge becomes very interesting when you know the fundamental principles of the processes happening in *Ezoosmic grid*.

Ancient Greeks, adopting knowledge from the East, in particular from Ancient India, called the inexhaustible source of free energy the "aether" (from Greek "αἴηθηρ" – "radiant"), trying to convey the sense while translating the Indian term akasha into Greek,

as "never-ending shine", *illuminated space*. In ancient times, Aristotle used this term to denote matter that makes up everything, including "what the sky consists of and what is in the sky". It is necessary to understand what exactly in those days ancient Greeks meant by the concept of "sky". In Greek mythology there was a concept of "the top, pure, clear, *radiant* layer of air, *habitat of gods*", as opposed to "the lower layer of air, where *everything is temporal and has an end*". Therefore, the concept of aether as air above clouds (the top layers of air) has a bit of a different meaning. Thus, their aether as well as akasha, denoted the pervasive environment, one of cosmic elements making up imponderable substance of the sky and stars, the thinnest primary matter, which was not available to observation with senses. Almost each famous ancient Greek scientist and philosopher described this ancient knowledge, understanding it in his own way, presenting ancient information known in the East, as the pearl of "his doctrine" about the invisible world.

Mentions of the aether as the thinnest primary matter can be found in teachings of ancient Greek philosophers: Anaxagor – mathematician, astronomer, founder of the Athenian school; Empedocles, priest, politician, philosopher; ancient Greek philosophers Plato and Aristotle (student of Plato, tutor of Alexander the Great) who called the aether "the fifth element" (quintessence), non-material substance of heaven and heavenly bodies, filling heavenly space. For Aristotle "the fifth element" (quintessence) – aether was a cornerstone of his cosmology, the whole substance of "the superlunary world" (both heavenly bodies, and "spheres" bearing them). Moreover, it was mentioned that aether had only one type of movement – *spatial movement in a circle* (*Note: for more information*


about spiral movement please refer to the book "AllatRa") as opposed to the four elements (earth, fire, air, water) of "the sublunar world" exposed to "emergence and destruction" (cyclic interconversion) and endowed with the property of rectilinear movement.

References: Философский энциклопедический словарь / глав. ред. Ильичёв Л. Ф., Федосеев П. Н., Ковалёв С. М., Панов В. Г. [Philosophical Encyclopedic Dictionary/ editors - L.F. Ilichev, P.N. Fedoseev, S.M. Kovalev, V.G. Panov] Moscow: Soviet Encyclopedia, 1983 [In Russian]; Leisegang H., Pneuma Hagion. Der es Geistbegriffs der sinoptischen Evangelien aus dergriechischen Mystik, Lpz., 1922; Verbeke G., Involunt de la doctrine du pneuma du stoicisme a St. Augustin, Louvain – P., 1945; Saake H., Pneuma, в кн.: RE, Suppl., Bdl4, 1974).

One of the most influential philosophical schools of antiquity was stoicism which later became popular in Rome. The main directions of this school were physics (nature philosophy), logics and ethics (spirit philosophy). Their physics was based on philosophical works of the past centuries, Aristotle's physics and Heraclitus's cosmology. Stoics called the subtlest initial matter *pneuma* which makes up everything and which acts in everything. According to their doctrine, everything turns into this first matter after "the world fire". Pneuma was considered to be the thinnest substance, vital force, which penetrates space with "life breath" and unites it in one complete organism. Pneumatic system, according to their doctrine, has its control center, "the managing part" which is in aether (*Note: see further in the report the section about real (stationary) Po particles*).

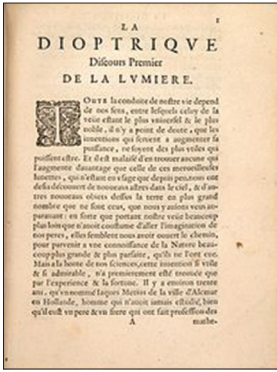
It is interesting that pneuma, originally translated from Greek, means "breath", i.e. an initial impulse (*Note: see further in the report the section about an initial impulse – the process of ezoosmos*). Initial impulse as a process in cosmology of antiquity engenders movable substance, i.e. sets the first movement. In this regard the word "pneuma" was translated as "burning of aether", i.e. the energy of aether. Later on, the concept of pneuma was translated as "breath", then "spirit", derived from "blowing", "breathing." Now, the concept of pneuma, for example, in religion is connected with the sphere of spirit. In Christian theology one can find such concepts as "pneuma hagion", i.e. the Holy Spirit, and also the doctrine about the Holy Spirit – Pneumatology.

In Gnosticism and Hermeticism pneuma was characterized as "mediator": in space – between light and darkness, between highest and lowest area of the world, and in man – between body and soul (air cover of the soul). Gnostics called the people who are under the power of divine pneuma, – pneumatics, as opposed to people who were under the power of matter. Magic papyruses and alchemists characterized pneuma as hidden, mysterious force, which could be acquired to achieve certain purposes (for example, to turn any metal into gold). Neoplatonists considered pneuma to be the intermediary of the material and non-material worlds, a cover of the soul protecting

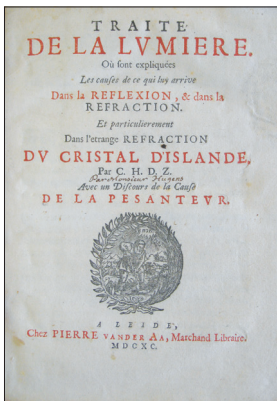
 *"Apparently, the name [of the first object] which have come down from ancestors to present time says that they had [concerning this subject] the same views which we have, because it must be assumed that the same ideas come to us again not once or twice, but infinite number of times. For this reason, believing that the first object is different from the earth, fire, air and water, they called the most upper space "aether" (aithsr), giving that name meaning that it "always runs" (aei thein) throughout the eternal time".*

References: Аристотель. О небе. Книга I [Aristotle. On the Heavens. Book I] Translated by A.V. Lebedev [In Russian]

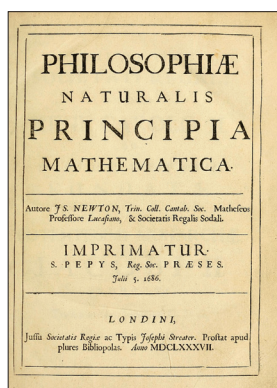




René Descartes
«La Dioptrique»,
1637



Christian Huygens
«Traité de la lumière»,
Leiden,
1690



Isaac Newton
(1642–1727),
«Philosophiæ
Naturalis Principia
Mathematica»,
1687

it from the defiling touch of body and from direct contact with the material world during sensory perception ("the soul perceives prints of bodies on pneumatic cover"). (*Note: for more information please refer to the book "AllatRa", the concept of sub-personalities*).

(References: *Philosophical Encyclopedic Dictionary / Head editor L. F. Ilyichyov, P. N. Fedoseyev, S. M. Kovalyov, V. G. Panov - M.: Soviet Encyclopedia, 1983; Leisegang H., Pneuma Hagion. Deres Geistbegriffs der sinoptischen Evangelien aus dergriechischen Mystik, Lpz., 1922; Verbeke G., Involution de la doctrine du pneuma du stoïcisme a St. Augustin, Louvain - P., 1945; Saake H., Pneuma, in book: RE, Suppl., Bdl4, 1974*).

Mentions of aether have also remained in legends about gods. According to ancient Greek mythology, Aether was the son of the primordial eternal darkness of Erebus (from Greek – "darkness") and the goddess Nyx (from the Greek "Νύξ" – "night"). Nyx was considered to be one of the first world-making forces and her home is located in the abyss of Tartarus. Aether is mentioned as the flaming air, where stars revolve and gods live (*Note: see further in the report the section about ezoosmic membrane*). In ancient times, under aether people understood that which separates the infinite world of god from the temporary and material world. It was believed that through aether the force seeps which created and runs all the visible and invisible in this material world and also that what people call "life". Considering the fundamentals of the PRIMORDIAL ALLATRA PHYSICS, this extant information does not seem to be legends any longer. The knowledge of fundamentals gives a clear, reasonable understanding that it is natural processes which are at the core of the Universe.

The knowledge about the aether as the world pervasive environment, which has the role of carrier of any interac-

tions in the material world, was preserved in the next epochs too. Practically all who were interested in the ancient knowledge on the indivisible elementary particles – atoms, found the knowledge of the inexhaustible energy source – aether; however, they perceived this information according to the dominant worldview of their era. These are Giordano Bruno, René Descartes, Christiaan Huygens, Isaac Newton, Leonard Euler, Mikhail Lomonosov, Dmitry Mendeleev and many others.

For example, René Descartes, physicist, mathematician, in his well-known work "Dioptrics" ("La Dioptri-que", 1637) suggests that aether is the carrier of light. Christiaan Huygens in his main work "Treatise on Light" ("Traité de la lumière", 1690) describes the wave theory of light where he states his key idea: light vibrations are elastic impulses in aether. Isaac Newton in his main work "Mathematical Principles of Natural Philosophy" ("Philosophiæ Naturalis Principia Mathematica", 1687) where he tried to summarize his results and research of his predecessors, also mentioned this knowledge known in ancient times. In particular, about *instant transfer of action from one body to another at a distance through empty space without the help of matter*. Newton put forward this information as his own idea of long-range action or action at a distance. He also mentioned in his interpretation the ancient knowledge of "first impulse" in the context of the idea about divine origin of the world. The greatest mathematician, engineer, the physicist of the 18th century who made a fundamental contribution to the development of

these sciences – Academician Leonhard Euler (1707–1783) wrote in his works that all optical, electrical, magnetic and other phenomena are explained by the interaction of "rough" matter and a "subtler" substance (less dense, but more elastic) - aether. He tried to explain the phenomena, known in his time, as vibrations of aether.

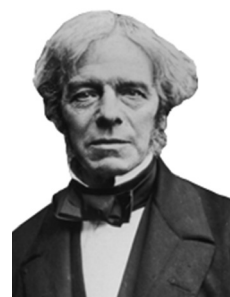
On the whole, in 18th, 19th centuries and even at the beginning of the 20th century during rapid development of experimental science (the modern science uses until now the results of its knowledge) aether was one of the central themes of discussion of physicists, mathematicians, chemists and researchers from other disciplines. Many outstanding scientists spoke and wrote about the world aether. For example, English physicist, mathematician James Maxwell (1831–1879) – one of the founders of statistical physics and founder of classical electrodynamics. It is thanks to the model ideas of aether and existence of the ancient knowledge about this special world environment, that he could come to the theory of electromagnetic field. Maxwell believed that electric field intensity is connected with elastic tension in the aether, and magnetic induction is connected with its *whirling movement*. In "A Treatise on Electricity and Magnetism" (1873) he wrote the following: "Now we are unable to conceive of propagation (Note: interactions) in time, except either as the flight of a material substance through space, or as the propagation of a condition of motion or stress in a medium already existing in space... **In fact, whenever energy is transmitted from one body to another in time, there must be a medium or sub-**

stance in which the energy exists after it leaves one body and before it reaches the other... Hence all these theories (Note: theories of wave interaction and electromagnetism) lead to the conception of a medium in which the propagation takes place, and if we admit this medium as an hypothesis, I think it ought to occupy a prominent place in our investigations, and that we ought to endeavour to construct a mental representation of all the details of its action, and this has been my constant aim in this treatise. "

The concept of aether was studied by the following scientists. English physicist and chemist Michael Faraday (1791–1867) – the founder of the modern concept of "*force field*" in electrodynamics, the author of a number of fundamental discoveries, including the law of electromagnetic induction, laws of electrolysis, etc. German physicist Heinrich Hertz (1857–1894) – one of the founders of electrodynamics who experimentally proved the existence of electromagnetic waves (thanks to his works and works of other scientists later the radio was created). Dutch physicist Hendrik Lorentz (1853–1928), his works are devoted to electrodynamics, statistical physics, optics, theory of radiation, nuclear physics. He combined the concept of a continuous electromagnetic field with the notion of discrete electric charges which are a part of substance. Well-known French mathematician, physicist, astronomer, philosopher Jules Henri Poincaré (1854–1912), who used the concept of the world aether in his works and specified that it (aether) will never be found experimentally, as it was mentioned in ancient times.



James Maxwell
(1831–1879)



Michael Faraday
(1791–1867)



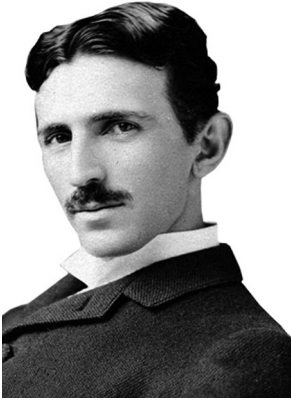
Heinrich Hertz
(1857–1894)



Hendrik Lorentz
(1853–1928)



Jules Henri Poincaré
(1854–1912)



Nikola Tesla
(1856–1943)

"Our world is immersed in a vast ocean of energy, we fly in the infinite space with incredible speed. Everything revolves around, moves – everything is energy. We have a daunting task - to find ways to extract this energy. Then, getting it from this inexhaustible source, humanity will progress at a great speed."

*From the diaries of
Nikola Tesla, 1891*

"The greatest mysteries of our being are still to be fathomed, death itself may not be the termination."

Nikola Tesla

"The action of even tiny creatures leads to changes in the Universe."

Nikola Tesla

However, in ancient times, it was also noted that this substance is inaccessible to people, but knowing its nature, it is possible to obtain an inexhaustible source of power (energy). This information, in fact, became an object of attention of political and religious governors, rich people of different eras, who somehow attracted the best minds of their times to this research, financed their developments, encouraged well-known scientists to explore (or did not prevent them from exploring) issues relating to aether.

In the century of new discoveries, this all-pervading environment was considered in physics to be the fundamental principle, as well as in ancient times. But in the light of new understandings of that time aether was considered to be also the carrier of light and electromagnetic interactions. It was believed that it is aether that enables the transmission of electromagnetic radiation thanks to that there was a popular expression about broadcasting – "to go on air"(Translator's note: in Russian language the word "эфир" (aether) is used instead of the word air in this context). It was the era of great discoveries in physics. As contemporaries of that time wrote: "ideas literally soared in the air". All these fundamental discoveries gathered a serious pace of experimental evidence till a certain moment ...

Unexpectedly at the beginning of the 20th century all research works on aether were stopped. Many scientists, who defended the theory of aether, were left without funding of their works, various artificial obstacles were created, such as closing laboratories, reducing scientific vacancies, creating difficulties in the subsequent employment, etc. At the same time the world mass me-

dia began a large-scale campaign to discredit aether as one of the basic concepts of theoretical physics. Why did everybody who spoke about aether, which was the basis on which well-known scientists of the 19th century built their fundamental theories and got really interesting experimental data about the unique nature of electromagnetism, suddenly become silent? And later those physicists, who even simply mentioned aether in their conversation with colleagues, were unconditionally labeled – "pseudo-scientists", despite their achievements and even if they thousand times were right in their conclusions? What actually happened at that time?

The one to "blame" was a famous Serbian physicist, researcher of electricity of high voltage, talented engineer and inventor Nikola Tesla, who experimentally found a way to produce inexhaustible energy from aether. Electrical engineering was his area of expertise, whereas the main field of his scientific interest was research of generation and remote wireless transmission of energy. It is not incidentally that his ideas included, at first sight, fantastic realities for humanity. For example, such idea as wireless lighting of sea routes for ships at night, as during the day, sailing at sea or in the ocean, with the help of free energy taken from the atmosphere (or to be more exact, from aether). Such discoveries, if they were implemented, would give an understanding of many events and riddles of antiquity, as well as facts revealed during archaeological discoveries and finds which do not fit within traditional explanation of history, life and technical achievements of ancient people. It would give answers to many questions. For example, how did ancient

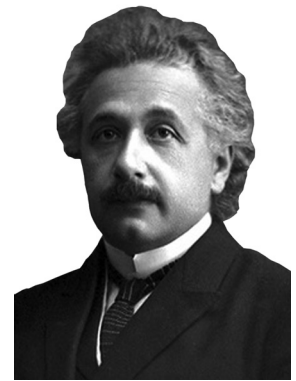
Egyptians manage to carry out construction and decorative design inside pyramids, without resorting to the methods of lighting known to modern people? Thanks to what power could people of antiquity influence gravity and move megaliths and build out of them the entire cities? What for such "spaceports", as for example, ancient Baalbek terrace in Lebanon were built? Where did ancestors of African tribe of Dogon get the exact data on the star Sirius and its system and what kind of source of energy is necessary to reach (safely) this and other stars on a spaceship?

Tesla achieved tremendous results in his research and dreamed that his inventions and free energy were available to all people, what, naturally, would considerably facilitate and simplify life to all the humanity, would bring the civilization to a new round of technical development. However, the problem was that financing of his ideas, research and laboratory maintenance were carried out at the expense of American industrialists who had other views on the world and other purposes. For them the main thing was not a free distribution of energy to all in need and creation of world spiritual and moral society, but personal commercial benefit, creation of consumer society in which they and their descendants would have an absolute power over people.

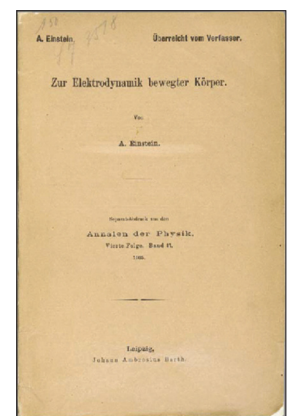
It is not incidentally that the period of 1895 –1904 years is called time of revolutionary changes in physics. From 1892 to 1905 there was a peak of the most significant discoveries of Tesla. However, his "fault" and "strategic mistake" was that the first people to whom he showed his most important discoveries, were those who served to the creation of consumer society. These discoveries (and connect-

ed with them possible consequences and prospects) shocked American financiers and industrialists to such extent that they, because of fear to lose their income and power over people, not only suddenly stopped financing of Tesla's projects, but also undertook everything in order that such a concept as aether, "once and for all" disappeared from fundamental science – physics. The story of Nikola Tesla – is, of course, a special case. Somebody else could have made such discoveries as well, for science at that time really approached the important turning point which could open fantastic prospects for the human civilization. But this private story, unfortunately, influenced the whole science in general and the most important – its future. Thus, Nikola Tesla, unwittingly, stopped the study of the question of obtaining free energy from aether for century, because he hurried up to show his revolutionary technology to those who because of this historical breakthrough, could lose a lot of money, power over people and "world domination".

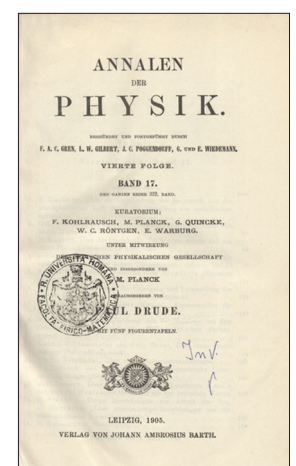
Since 1905 a purposeful destruction of the theory about aether started in science. It is not an accident that 1905 is known in the history of physics as "Year of Miracles" (in Latin – Annus mirabilis; the interesting fact for those who know: in English literature the name "Annus mirabilis" is generally used in relation to 1666). As a result of conspiracy of world industrialists and magnates, on an authoritative scientific Olympus of world value, they urgently bring a number of "figures", whom they start to popularize throughout the world, and they, in their turn, start to substitute concept of aether and lead physics to a different direction of research. For example, in 1905 an unknown 26-year-old Albert Einstein(1879–1955; at



Albert Einstein
(1879–1955)



Albert Einstein
"On the
Electrodynamics
of Moving Bodies"
(«Zur Elektrodynamik
bewegter Körper»,
1905)



The journal "Annals
of Physics" («Annalen
der Physik»), in which
A. Einstein's works
were published

Hendrik Lorentz said "Ponderable matter is absolutely permeable, namely that at the location of an atom, also the aether exists at the same time, which would be understandable if we were allowed to see the atoms as local modifications of the aether".

From the book "The History of Physics" by P.S. Kudryavtsev, Volume 3, 1971

"Whatever difficulties we may have in forming a consistent idea of the constitution of the aether, there can be no doubt that the interplanetary and interstellar spaces are not empty, but are occupied by a material substance or body, which is certainly the largest, and probably the most uniform body of which we have any knowledge."

From James Maxwell's article "Ether". Encyclopedia Britannica, 9th edition, 1878.

"One of the most astonishing discoveries announced by physicists during the past few years is that matter does not exist."

From Henri Poincaré's book "Science and Hypothesis "

that time he was already a citizen of Switzerland, employee of Patent bureau) published four articles on the most topical directions which were in those years the focus of attention of physicists of different countries. Among them - the work "On the Electrodynamics of Moving Bodies" ("Zur Elektrodynamik bewegter Körper", 1905) where Einstein wrote about the special theory of relativity. Moreover, his works were published in the prestigious scientific journal of Germany - "Annals of Physics" ("Annalen der Physik"). At that time electrodynamics was a very popular subject and drew attention of many people, thanks to theoretical and experimental discoveries of Nikola Tesla and a number of outstanding scientists of that time working in the fields of electricity and magnetism.

The special theory of relativity of Einstein contained *revision of concepts of time and space in physics*. His views were presented as substantially "independent" of theories of that time which were based on the theory of aether. For example, if Hendrik Lorentz, well-known Dutch physicist-theorist, Nobel Prize laureate on physics, and Henri Poincaré, authoritative French mathematician, physicist, considered all new effects to be dynamic properties of aether, in "the theory of relativity" of Einstein all this was transferred from dynamics to kinematics and *excluded the concept of aether*. Young scientist started to claim that what were considered as properties of aether is "actually" a manifestation of objective properties of space and time, and in general it is unreasonable to include the concept of aether only to prove the impossibility of its observation. That means that Einstein in his works abolished *the concept of aether, as well as the concepts of*

absolute movement and absolute time based on it (Note: for more information on absolute time and movement please refer to the book "Ezoosmos"). Thus, the theory of relativity was not something new in science. Long before this publication of Einstein, Henri Poincaré in his work "Measurement of Time" ("La mesure du temps", 1898) formulated a general and universal principle of relativity for electromagnetic phenomena. But the problem was that both Lorentz and Poincaré were supporters of the theory of aether, what did not satisfy those who was engaged in elimination of this concept in science by order of major financiers.

This plot was purposefully and systematically put into practice by various ways, and it can be proved by many facts. Initially, the major scientists of that time avoided by relative silence the question of the "new theory" or just gave some professional comments that these subjects were already considered earlier by other scientists, and results of their research were fair only for certain conditions. But then physicists became increasingly divided into those who supported the new theory and those who stood on the positions of the concept of aether. The result of such playing off scientists one against another and the artificial split among them was the official statement made in September 1920. At the 86th Congress of the Union of German scientists and doctors in German city Bad Nauheim (Germany) it was solemnly declared as a fact that such concept as aether is finally abolished. The place and time for this purpose were chosen not incidentally (European resort Bud Nauheim is located in the State of Hesse, in 38 km from Frankfurt am Main). (Note: for

more information please refer to the book "Sensey-IV"). Scientists of that time understood that this statement, in fact, crossed out explanations of many already valid theories of physics, without providing a proper new evidence and explanations in return. Practically since that time templates appeared in the scientific community, imposed by builders of consumer society and dividing science into two camps: "blind" who cannot behold obvious facts and "mute" who know but are afraid to speak about that.

At the same time, with the help of mass media the world's attention was focused on the assertion of "the validity of the theory of relativity", and the idea was imposed that aether did not exist at all. With haste they popularized books and speeches of lecturers who told about the new theory of relativity one-sidedly, as about obvious and indisputable fact. That also played a role in the destruction and neglect of the knowledge of aether. In modern language, world businessmen applied their old method of influence on people through mass media and the result was a destruction of certain public views, its substitution by false, straight opposite public opinion, favorable to the circles of the mighty of this world. Much later this method became publicly known and was named the "Overton Window". Its essence consists in special information processing of public consciousness from the stage of perception of an idea as totally "unacceptable" (for example, breaking any public foundations, ancient knowledge, postulates, traditional views, moral and ethical universal norms) to the stage of not only publicly "acceptable idea", but also creating a new immutable rule for society on this false basis. (Stages

of information processing of public consciousness according to the "Overton Window": *Unthinkable* false idea – *radical* view on the idea – *minimally acceptable* idea – the most *sensible* idea – the most *popular* idea – introduction to the policy of life).

All these perturbations in physics are sad, but not surprising. They are only a partial reflection of what globally happened in public consciousness of that time in connection with a high activity of group of financiers who dreamed of world supremacy. It was at that time when spirituality, morality were massively destroyed in the world and consumer society was built artificially. World enterprises, multinational corporations, private monopolies, the world market, focused on formation and consolidation of consumer society, were created at a growing rate. In the world community a man-consumer was popularized, whose consciousness since childhood was adjusted to materialistic, egoistical perception of the world, consumer attitude to life, and obtaining of personal benefit. And the meaning of life was reduced to a false way (a desire of continuous increase of a level of income and welfare, career growth, upholding of egoistical ambitions) which as a result did not give the required inner freedom and happiness to person. Of course, after such mass processing of consciousness, selfish thinking of man-consumer no longer perceived seriously the knowledge of the past, including that was considered sacred and passed down from generation to generation throughout the millennia as knowledge important for humanity. It was difficult for him to imagine what an absolute emptiness is, if it is not filled with anything material. It was difficult for him to go beyond

"Not only do we discover new phenomena, but in those we thought we knew, unforeseen aspects reveal themselves. In the free ether, the laws retain their majestic simplicity; but matter, properly so called, seems more and more complex; all that is said of it is never more than approximate, and at each instant our formulas require new terms."

*"Science and Hypothesis",
by Henri Poincaré*

"We should not postpone the care about great and eternal for the time when we reach the possibility of satisfaction of elementary needs for all. Otherwise it will be too late - we'll give wealth to those people whose ideal is 'bread and circuses'."

V.I. Vernadsky

"The victory of any scientific view and its inclusion in the worldview doesn't prove still its validity."

V.I. Vernadsky

With the help of money you can hold scientists' tongues, but it is impossible to hold the rising anger of nature!

"If society does not change, humanity will not survive ... It is only possible to survive the coming cataclysms, if the entire humanity unites and qualitative transformation of society in the spiritual sense takes place."

*From the book
"AllatRa"*

"The contribution of each person to common cause of spiritual and moral transformation of society is very important. We can say that every, even apparently simplest and "insignificant" deed done with the purpose to spread the Truth, in the end, one way or another, affects the global situation in society and forms its future".

*From the book
"AllatRa"*

the material worldview, which was as a border in his consciousness set not to allow him to learn more and become next Tesla, Planck or Maxwell.

As a result, development of physics in this perspective direction connected with studying of properties of aether slowed down for a century, and in the priority directions of science only that what gave military advantage to rulers and income to oligarchs remained. Today the remains of old knowledge of aether exist within the interpretation of traditional science or at the level of philosophical ideas as "primitive knowledge of the past", moreover with distortion and misunderstanding of the essence, or squeezed into a restrictive framework of a label of "occult ancient interpretations".

What can we see in the modern world as a result of the loss of ancient knowledge of the inexhaustible source of energy (aether, akasha, free energy)? Fierce competition for non-renewable energy sources of the planet, up to the military conflicts, expansion of transnational companies, irreconcilable division of people into "us and them", fight without rules for the consumer market. Sources of hydrocarbons became a bargaining chip in political and economic issues of consumer society. Today the civilization, in which money massively rules the minds of people, faces a natural deadlock of development, global world problems because of the loss of spiritual and moral foundations. And all this occurs right now, at the time when global natural cataclysms accelerated their pace gaining strength and when knowledge of aether is necessary for survival of humanity as air. *By with the help of money you can hold scientists' tongues, but it is impossible to hold the rising anger of nature!*

In modern society, thanks to mass media, the phrase "energy crisis" is firmly rooted in the minds of people, which is used to justify escalation of the international military-political tension, war, any attempts to destroy the "excessive" population. But a very few people think about, what is actually hidden under the phrase "energy crisis" and why this concept entered *popular* public opinion as a template excuse? After all, various ways of receiving electric power without use of hydrocarbons materials are available today. Why official sources do not tell anything about them? Answers to these questions will again lead to the banal human desire to possess world power or, at least, to aspiration not to lose a leverages on different kinds of situations in the world consumer market. So the consumer society, where everything works for business "with a changeable human face", is incompatible with the concepts of spiritual and creative society – generally available free energy and the primordial knowledge.

However now, thanks also to the knowledge of the PRIMORDIAL ALLATRA PHYSICS, all sensible people of the world have a unique opportunity to change radically a vector of development of our civilization to the spiritual and moral course (*Note: please refer to the book "AllatRa"*) and to solve the most important problem of world society – the problem of obtaining free energy with no cost. Opportunities and prospects which are offered by the PRIMORDIAL ALLATRA PHYSICS, free people from material dependence, i.e. promote abolition of any consumer system. They bring humanity to an absolutely new side of attitude, worldview, scientific studying and practical research of space and man.

ELEMENTARY PARTICLES

Since the 19th century, science of our modern civilization started to use the altered concept of atom as of the smallest part of a chemical element. In 1897, thanks to English physicist Joseph John Thomson (1856–1940), who established that cathode rays are formed by a stream of the smallest particles, ELECTRON was discovered – a carrier of negative elementary electric charge in atoms. In 1919 English physicist Ernest Rutherford (1871–1937) as a result of research of nuclear disintegration, PROTON was discovered – an elementary particle with a positive charge. In 1932 English physicist James Chadwick (1891–1974) during his research of interaction of alpha particles with beryllium discovered NEUTRON – an elementary particle being a part of an atomic nucleus, having the weight close to that of proton, but no electric charge. However, in modern science there are still unsolved questions concerning the description of the internal structure of atomic nucleus.

The assumption that inside electromagnetic field there is a PHOTON was described in 1900 in works of German physicist-theorist, founder of quantum physics Max Planck. In 1905 Albert Einstein, developing Planck's idea, postulated that electromagnetic radiation (light) is nothing other but a stream of separate quanta (photons). And the direct experimental evidence of existence of photon was already obtained by American physicists in 1912–1915 Robert Millikan (1868–1953) and in 1922 Arthur Compton (1892–1962). In 1930

Swiss physicist Wolfgang Pauli (Wolfgang Pauli; 1900–1958) postulated the existence of an elementary particle which almost does not interact with substance, and then in the mid-1950s American physicists Frederick Reines (1918–1998) and Clyde Cowen (1919–1974) experimentally confirmed the existence of a neutral stable particle – NEUTRINO.

Since 1930 and almost to the beginning of the 1950s, the research of elementary particles was closely connected with the research of space rays. Since 1950s and till today, accelerators have been the main tool in physics for the research of elementary particles, while new elementary particles that emerge during collision of accelerated protons and electrons with a substance have become the object of studies. Since that time a lot of different particles have been discovered, including unstable elementary particles, and also the extremely unstable, which received the name "resonances" (for example, in 1953 the first of them was discovered - Δ^+ (1232)), heavy antiparticles (antiproton (1955), anti-neutrino (1956), anti-Sigma-hyperons (1960)) and so on.

The variety of properties of discovered particles was unexpected for scientists. In study of this issue, along with such characteristics as electric charge, the moment of momentum (angular momentum) and so on, they had to add also such characteristics as "strangeness", "charm", etc. It became clear that the world of elementary particles in its laws, properties, behavior is much different from traditional views about it, based on the ideas of classical physics.



Joseph John Thomson
(1856–1940)



Ernest Rutherford
(1871–1937)



James Chadwick
(1891–1974)



Peter Higgs
(1929)

Jagadish Chandra Bose (1858 -1937), Bengali physicist, biophysicist, archaeologist, one of the founders of radio research and microwave optics, in his speech at the opening of Bose Institute in 1917 said: "... It is forgotten that He, who surrounded us with this ever evolving mystery of creation, the ineffable wonder that lies hidden in the microcosm of the 'dust particle', enclosing within the intricacies of its atomic form all the mystery of the cosmos, has also implanted in us the desire to question and understand..."

"Then, returning to himself, let man consider his own being compared with all that is; let him regard himself as wandering in this remote province of Universe; and from the little dungeon in which he finds himself lodged, I mean the whole visible world, let him learn to set a true value on the earth, on its kingdoms, its cities, and on himself. The man in infinity — who is he?"

*From the book of
Blaise Pascal
"The Thoughts",
1657-1658*

Today an important discovery in the field of particle physics and high energy physics is considered to be one of results received in the European Center of Nuclear Researches (CERN) with the help of special installation – an accelerator of charged particles in colliding beams (Large Hadron Collider). Scientists have discovered a particle presumably similar to Higgs boson (boson was predicted by English physicist Peter Higgs (1929); according to the theory, it should have final mass and have no spin). Actually, what scientists have found is not the Higgs boson. But these people, without realizing that yet, made a really important discovery and found much more. They experimentally discovered the phenomenon which is described in detail in the book "AllatRa" (*Note: please refer to the book "AllatRa", p. 36 last paragraph*).

Nowadays physicists *only complicate conditions of external observation*, but so far they have no opportunity to observe subtle processes and understand regularities, occurring within the system of the microcosm. For a consumer society such riding around the bush – is a natural process. After all, scientists are compelled to survive in literal sense in such egoistical community, applying their talent not for advantage of humanity, but for satisfaction of someone's ambitions, studying physics only in a limited framework of allowed conceptions. Therefore, modern "high energy physics" in consumer society can be figuratively compared to an impressing installation for ignorant viewer (it's financier), which, in fact, splits up big stones in pieces (which are called elementary par-

ticles). But, splitting up such a conglomerate, it is impossible to understand the essence of creation of sand grains.

Today many physicists, who did not remain indifferent to problems of society, try to come back again to the initial moment experimentally, to that direct way which their predecessors left. They understand that because of climatic situation on Earth, connected with global natural changes, for the survival of human civilization we need a qualitatively new fundamental breakthrough in physics, methods of producing free energy regardless of external conditions and existence of natural resources.

Summing up the result above, we can say that with era of new modern discoveries the keyhole of the door into microcosm, which makes a basis of the macrocosm of all Universe, was just slightly opened. But all this turned out to be limited to a small amount of phenomena observed in the microcosm. Having the universal keys of the PRIMORDIAL ALLATRA PHYSICS it is possible not only to open widely the door to the invisible world, but also to enter it, to get in touch with its source. In order to understand the laws of interaction of the microcosm, we need a radical revision of many traditional concepts and views, a qualitatively new view on physics. The PRIMORDIAL ALLATRA PHYSICS not only opens a prospect of an absolutely different vision of physical phenomena in the microcosm, but also gives its fundamental bases and laws of interactions.

HUMAN PERCEPTION

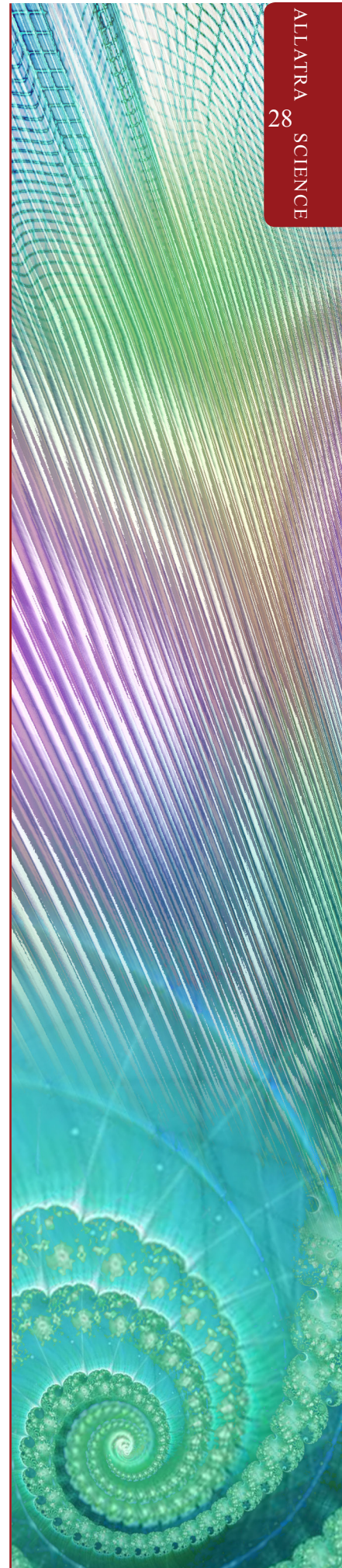
In the nature there is a continuous process of movement and transformation of matter at different levels of its organization, at different speed, with different phase states, physical and other conditions, etc. Science has proved that if the human eye cannot see these transformations it does not mean that these processes do not exist. However, every change in nature should have a sufficient ground.. The fundamental task of modern physics is to find the first cause which operates according to the unchangeable law and determines all the diversity of consequent causes that change phenomena and course of events.

Nowadays, as well as in the antiquity age, physics is inextricably connected with philosophy, and in more ancient times it was connected with the spiritual knowledge; more precisely, physics existed as a supplement to it, giving answers to questions relating to life of the macro- and microcosm, invisible to a human being. That was knowledge about the birth, structure and evolution of the Universe, the cycles of its death and rebirth, about the structure of the visible and invisible worlds, about man, his multidimensional structure in the invisible world, about his real abilities and his main strength and the most important part – the spiritual nature. The fundamentals of the primordial physics served as a supplement to man's understanding of the true spiritual meaning of his transitory existence in this illusory world.

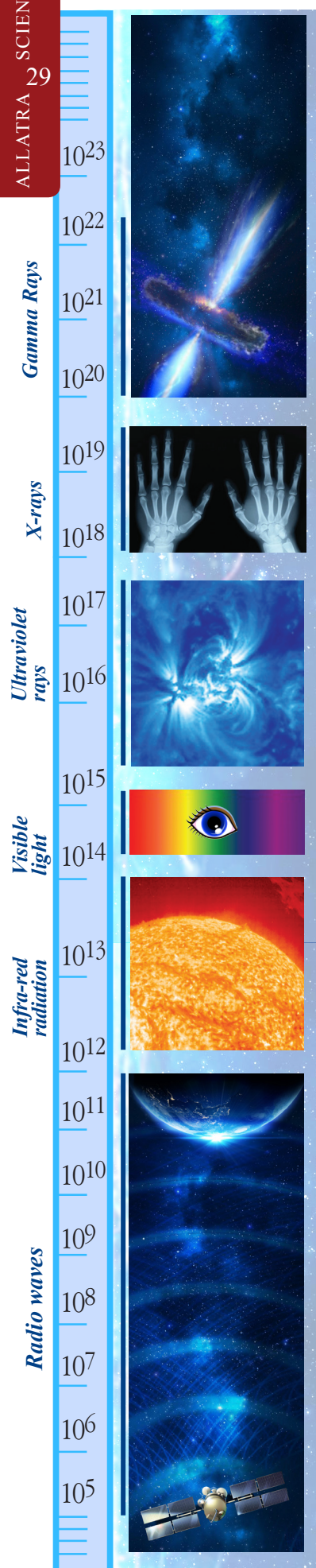
Have you ever thought why spiritual views of the world and the genuine human nature have been removed and replaced with philosophical materi-

alistic views in the modern society? And why is the scientific worldview till now explained in the format of modern philosophical views (materialistic ideas about the general principles and laws of the world structure)? It means that such issues as the birth and evolution of the Universe, the origin of time and space, elementary particles, the microcosm, the origin and evolution of life are studied *theoretically, at the level of existing scientific knowledge and hypotheses*. The same issues were raised as well in ancient spiritual texts of nations of the world, but as a supplement to the knowledge about man, the meaning of his existence and the significance of his spiritual transformation.

Here we set aside the question of how and who gave this unique knowledge of the invisible micro- and macrocosm to people in high antiquity. It is interesting that man as a biological creature, as a resident of the three-dimensional world, is substantially limited in his perception (and, consequently, cognition) of the surrounding reality. In other words, if somebody does not tell him about some phenomena which exist outside the visible world and does not teach him to use them, then it will be impossible for him to do that himself. An example is the so-called feral people (who grew up isolated from human society, among wild animals), children who for some reason were socially isolated since their early childhood, having no contact with people and no opportunity to acquire knowledge and social experience. Psychologists and sociologists knew about such examples long ago.



Frequency, Hz



What makes up man's view of the world, of himself, his life? How are his perceptions formed? What information does he take as a basis of his worldview (What does he believe in)? What does he call "reality" and what is the real world? If we consider these questions from the point of view of physics, it is obvious that man possesses a highly limited perception of the surrounding world, of this broad ocean of physical fields, the spectrum of electromagnetic waves of different frequency, all this diversity and variety of life forms and natural phenomena which exist in the material world. As an observer he is locked in the system of the three-dimensional world and can perceive only its small part with the help of his body, namely, his sense organs. But what is the limit of the latter? A simple example – eyes. Man gets the basic information about the surrounding world with the help of vision. The human eye can see the electromagnetic waves which are from 400 to 760 nanometers long. Man see nothing that is outside this spectrum, therefore, in his brain there is no reality that is outside this wavelength range. The same with sound which is perceived by man only within the range of 16 to 20 kHz (for comparison, the hearing ranges of some animals are up to 200 kHz, insects – up to 500 kHz). Our sense organs provide quite poor information about the external world and, as a result, we get a false picture of not just the spatial arrangement of the external reality, but also of the static nature of many visible objects, i.e. there is some kind of illusion in man's perception. However, in reality there is no material object which could be in a state of absolute rest, because everything is in movement, both in the micro- and macrocosm.

Human body is an entire chemical plant that generates and consumes energy and can exist only under a set of

certain conditions, for example, certain gravitational field, atmosphere, water, nutrient elements necessary for the survival of organism, etc. This is a complicated biophysical object able to transform the input information of diverse nature into electrical signals (nerve impulses) which are read and processed by the central nervous system. Biochemical processes in the organism of an average adult involve trillions (!) of tiny living micro-objects, more precisely, living systems – cells that sustain life of this complex system and constantly interact and adapt to the changing conditions. And all these cells consist of elementary particles which exist at the level of quantum physics according to quite different laws (unlike the laws of classical physics), where at the core of everything – energy and information. In other words, the chemistry of the visible world is based on the physics of the invisible world.

On the whole, man's perception of reality is subjective. Human brain, though it is very complex, has considerably limited abilities and can operate only under certain specific conditions. The information about the surrounding reality is perceived by an individual delayed and spatially distorted. For example, a spatial distortion of perception may be caused by a different speed at which sound (mechanical) and light (electromagnetic) waves pass through different media and materials, as well as by wave dispersion, reflection and interference. It means that man gets not the entire, but disjointed, fragmentary information. The models of perception of the surrounding reality are rather subjective. Man perceives the surrounding reality with the help of consciousness, acquired associations related to the three-dimensional world. In other

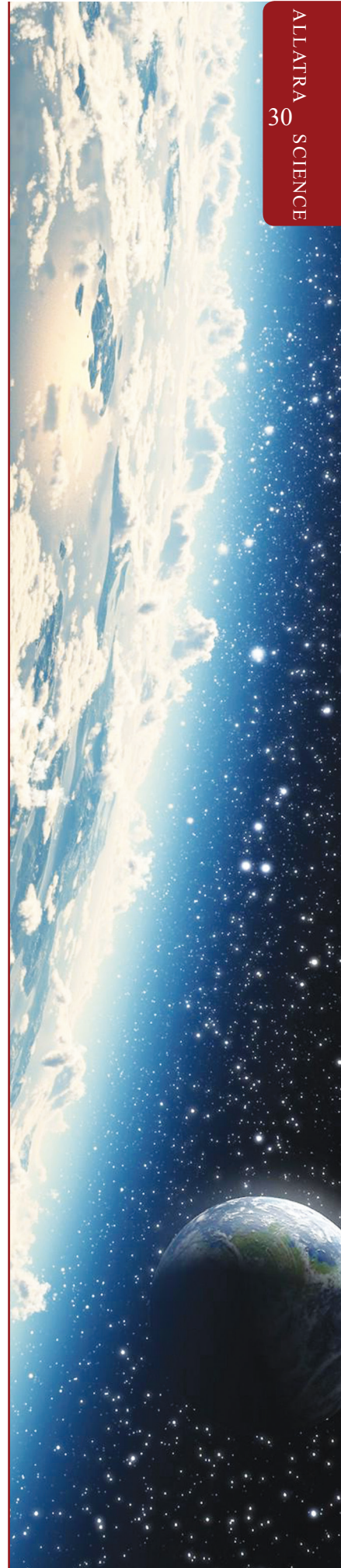
words, he “measures” all processes and phenomena by three-dimensionality and searches alike.. Therefore, consciousness tuned to stereotyped perception of the world in everyday life loses sight of many things due to the lack of understanding of unknown processes and phenomena. The stereotyped perception of man of the consumer society with materialistic way of thinking may be expressed in the words of biblical character - doubting Thomas: “I will not believe it until I see it with my own eyes.” However, the representative of the spiritual community (Jesus) gave a prominent answer: “Blessed are those who have not seen and yet have believed!” From the perspective of the PRIMORDIAL ALLATRA PHYSICS the last expression is more than fair; it concerns not only people’s spiritual life but also global processes which happen in the microcosm at the level of the ezoosmic grid. *(Note: for more information please refer to the section “Ezoosmic grid”)*

If we look at this question from the perspective of quantum physics, man lives in the system of illusions. And if we look at this question from the perspective of spiritual knowledge, then all that prevents man from understanding and realizing the illusory nature of this world is just such a negative quality of his consciousness as pride, which is a carrot and a stick of the material mind system making man not only a slave of his desires but turning him into “a milch cow” for the system, a deadman while alive. It is no coincidence that ancient wise people, while transferring the knowledge of previous generations, paid attention to the fact that everything perceived by man in the visible world is in fact unreal, and that he has an opportunity to develop another kind of perception which is qualitatively different from the false illusory perception of reality imposed by the material system.

As a consequence of all these and other similar reasons, it is impossible to talk accurately about complex processes of functioning of the material world of the Universe, which are beyond the limited perception of man as a resident of the three-dimensional world. However, the knowledge of them adapted for human perception have existed since ancient times. According to the ancient treatise this knowledge was treated as sacred, it was carefully passed down from generation to generation. It is obvious that it was meant to help people to understand much more about themselves, their true nature, their spiritual meaning of life, while learning the world, and be able to use this additional knowledge of the invisible processes of the material world for spiritual transformation only.

Much of ancient knowledge was passed down from generation to generation in the form of *associations* which could be understood by most people of certain time living in certain regions of the world. And it is not a surprise. Today in quantum physics scientists successfully use the method of analogy, thanks to which they create abstract theories and various models intended to explain the processes of the invisible world which cannot be perceived by the human eye, with the help of associative comparisons and in the form understandable to people. Moreover, the broader is the set of associations which scientists themselves have, the more understandable are the theories which are being explained for people of modern civilization.

In ancient times the knowledge was passed down with the help of analogies which were understandable and clear to people of that times. For example, one could explain the knowledge of the Universe and the invisible world to people living at the



seaside with the help of analogies of processes which were well-known to local population, such as phenomena happening in the ocean, figurative examples connected with water and habits of underwater inhabitants. Those who lived in prairie and forest regions better understood associations connected with agriculture, development and growth of plants, trees, characteristics and habits of animals. However, for most people the most understandable associations were examples from everyday life, connected with the life of community, people's relations. When you possess the primordial knowledge, all these parallels are easy to trace while analyzing the cultures of different nations.

Judging by the extant data, we can single out two main reasons why the knowledge of the macro and microcosm were given as a supplementary one to the spiritual knowledge in ancient times. The first reason: in order for man to realize the main *meaning* of his short-time life, which is the spiritual transformation. The second reason: in order for man to make his conscious mature *choice* between the dominance of either material or spiritual values in his life (in the sense of the dominating personal worldview and the main goal of life). And in order for man to make his choice adequately, he should be aware of risks, specifics and stereotyped actions of the invisible world of the material "intelligent system", in which he as Personality and his body temporarily exist. (*Note: for more information please refer to the book "AllatRa"*).

Later, unfortunately, because of the lack of understanding of ancient knowledge and the loss of the main keys to such knowledge decoding with time, the knowledge of the processes of the macro- and microcosm

was interpreted in another way, in the literal sense of the described examples, i.e. using primitive thinking. Today, thanks to modern scientists who study this issue impartially, a rich cultural material from all over the world has been collected. It testifies the fact that the sacred knowledge, one and the same in its essence, was known to people on different continents in different times. Therefore, today, taking into account the rich cultural, spiritual heritage of human civilization and having its keys – the fundamentals of the PRIMORDIAL ALLATRA PHYSICS - mankind has a chance not only to understand its primordial past but to change its future.

It is worth mentioning that, if a person with an inquisitive mind and free thinking that is not blinkered with stereotypes of "framework authorities" widely recognized by the consumer society starts exploring himself and examining everything thoroughly from the perspective of the primordial physics knowledge and the common spiritual and cultural heritage of human civilization, he will begin to understand and learn himself better spiritually. Moreover, he will start to see the true reasons of today's global spiritual-moral crisis, the reasons of creating artificial conditions which lead to destabilization of the state of man and modern society. But the main thing is that in the process of such a profound learning man will be able to realize not only how to change the situation radically, but also how to reach a totally new evolutionary stage of development of both the Personality and the society as a whole. And it applies both to the development of civilization in a primordially spiritual way and to breakthroughs in science and incredible results of technical progress. As they say, everything new is well-forgotten old.

ABOUT NON-MATERIAL NATURE

In ancient teachings of the East and as well as in the earliest historic form of Greek atomism there was a concept of non-material nature existing outside space and time. To a large extent it explained the behavior and characteristics of the material world, allowed to understand the laws of interaction of matter and principles of controlling it. Since the 19th century many ancient references about the non-material nature were deliberately removed and fully expurgated from the publicly available knowledge. As a result the following generations were raised with dominating materialistic world-view determined by egoistic consumer thinking, limited reality perception.

As a consequence, today mankind has a lot of problems, including scientific problems which could have been avoided. For example, in physics it is the issue of the so-called “crisis of elementary particle physics”. It means that nowadays thanks to high energies physics mankind has faced unusual facts in the microcosm, the variety of appearing and disappearing particles in the microcosm, interconversion of mass to energy, but, having lost the primordial knowledge of non-material nature, it is now standing at the threshold of misunderstanding of these global processes and apprehending them from the perspective of an Observer outside the system.

PRIMORDIAL ALLATRA PHYSICS DEFINITIONS

So what makes up the basis of the material world unity and determines the diversity of its changes? The keys which were lost since ancient times and reveal the secrets of the true microcosm physics are the concepts of EZOOSMOS and EZOOSMIC GRID. They give the whole picture of the processes which occur in the Universe, of discreteness of matter structure, the functions of indivisible and the creation of divisible particles, the understanding of basic principles of their interaction and opportunities of getting free energy from inexhaustible source. This is the knowledge which was lost in time and became the basis for various cosmological myths, religious dogmas, philosophical schools and so on. Our millennium heard just the echo of that former knowledge of the invisible processes (for example, in ancient Indian texts - the concept of “akasha”) (“eliminated space”, “infinite shining (emission)”), in ancient Greek literature – “aether” (“transparent, pure air stratum, home

of gods”), which was many times made more complex because of the simple lack of understanding of the true essence of these processes.

What is the ezoosmos and the ezoosmic grid? French physicist Henri Poincaré made a true statement (based on more ancient sources) about motionless aether, that it could never be found experimentally. But that does not mean that the aether does not exist. It only means that it is inaccessible to perception of man as an observer of the three-dimensional world. In ancient times it was indeed mentioned that this basis of the material world was stationary and inaccessible to people, that this substance can not be felt by touching, can not be seen by eyesight and no one can hear its inaudible Sound. But it was also mentioned there that when you knowing its structure it is possible to get a great benefit, the unlimited power and manage the invisible phenomena inaccessible to the human eye.

In order to understand the essence of the process at the core of underlying phenomena *relatively* better, we will provide several explanations from the PRIMORDIAL ALLATRA PHYSICS. It should be taken into account that these explanations are *simplified and adapted* for a better understanding of the knowledge by a *wide range of interested progressive people*. In this regard for a better perception of this knowledge many physical-mathematical and technical details, the results of conducted experiments, scientific definitions understandable only for a close group of specialists in physics were omitted in this report. The same applies to the description of results which were achieved in the spheres of improvement of methodology and tools of research, study of

structure and forecasting of characteristics of the microcosm objects, scientific explanations connected with reassessment of some branches of physics, mainly quantum mechanics, quantum statistics and quantum field theory. However, together with the explanations of basic principles and concepts from the PRIMORDIAL ALLATRA PHYSICS there are a lot of examples of rough analogies of these concepts and processes used in ancient texts of different cultures and nations of the world. Moreover, here you can find actual calculations, explanatory diagrams, info grafics, tables and formulas, submitted in accessible form intended for mathematical and physical calculations, self-check of data by a wide range of interested people.

EZOOSMIC GRID


At the core of the material Universe there is a specific “spatial frame”, non-material structure – the EZOOSMIC GRID. Any resident of the three-dimensional world would perceive this energy “structure” as a very flattened object, in appearance similar to a flat brick, with a side height of $1/72$ of the size of its base. In other words, the ezoosmic grid has a flat geometry. The ability of the material Universe to expand is limited by the size of the ezoosmic grid.

Within the ezoosmic grid there are 72 dimensions (*Note: for more information please refer to the book "AllatRa"*). Everything that is called by modern science as “the material Universe” exists only within the first 6 dimensions and the last 66 as a matter of fact are controlling superstructures which restrain “the material world” within a certain constraining framework – six

dimensions. According to the ancient knowledge, 66 dimensions (from the 7th through the 72nd included) also belong to the material world, but they are not material in their essence.

Outside the ezoosmic grid, as it was stated in ancient sacred legends of various nations of the world, there is the spiritual world – a qualitatively different world which has nothing in common with the material world, its laws and problems.

The EZOOSMIC GRID is stable and motionless. It consists of a certain number of identical EZOOSMIC CELLS having a shape of a cube in the three-dimensional space (although for dimensions higher than the third one the structure becomes more complex). Every ezoosmic cell consists of, relatively speaking, 6 “walls” in the form of EZOOS-

 It is interesting that the Old Slavic word “Вселенная” (Universe) is just a translation of the Greek word «oikoumenh», which means “inhabited”, “populated part”.

MIC MEMBRANES. Inside, in the cell, there is a STATIONARY PO centre of the cube of every ezoosmic PARTICLE.

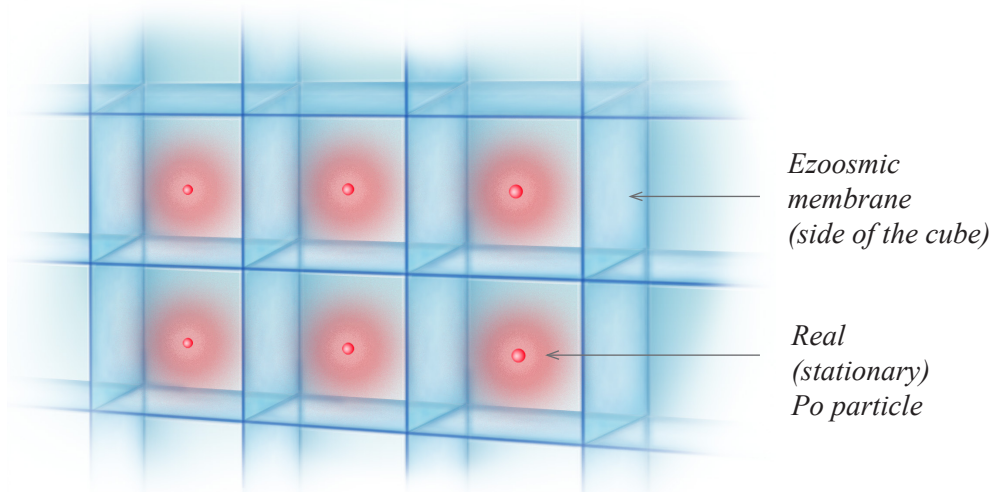


Figure 1. Fragment of ezoosmic grid in the third dimension.

Today you can find a lot of references to the ezoosmic grid, which have been preserved from ancient times by different nations of the world living on different continents. They can be found in etymological and cosmogonic myths, sacred drawings, depicting the world structure, in texts of various philosophical, religious teachings, in legends telling allegorically about the creation of the Universe and the world. Unfortunately, the closer we get to our times the more we see the loss of the knowledge and misunderstanding of its essence, substitution of the sacred metaphorical meanings by earthly sense. We will provide only some examples of information we have found about relevant artefacts.

The Paleolithic Age. The images of signs (lattices, grids, squares, rhombuses with a dot inside, chess-like ornament) have existed since the old days, some of them - even in the Paleolithic Age. It is wrong to think that they denote "sown field" because these signs appeared long before the origin of agriculture. It is known that in the past people left the sacred knowledge, important to the following generations, in certain places, as a rule, in rock carvings, including those in the form of certain signs. Cave signs and symbols found on different continents are rather identical because of some specific signs (Note: for more information please refer to the book "AllatRa"), that points to the common source of that knowledge. Nowadays there are many artefacts of different epochs which indicate that all these lattices, grids, rhombuses with dots, circles, squares, spirals were wide-spread elements of patterns and ornaments on ritual crockery, clothes, sacred objects, in the decoration of sacred texts of various nations. Often together with such signs, people drew the symbols of the goddess of Heaven and the god of Earth.

Africa. Blombos calcareous cave is one of the most famous archeological site of the Middle Paleolithic, located on the south coast of the Republic of South Africa. The upper layers of its deposits, which is about 68 thousands years old, contained shell necklaces, bone tools, and ochre pieces with geometrical engraving.

China. Ceramic jar of the Neolithic culture of Yangshao, which existed from around 5000 BC to 2000 BC on the territory of present-day China.



Trypillian cup,
5000-4000 BC



Late Trypillian amphora,
the end of the 4th
millennium BC



China. Pottery jar
of Yangshao culture,
5000-2000 BC



China. Pottery jar
of Yangshao culture,
5000-2000 BC



Africa.
Blombos cave



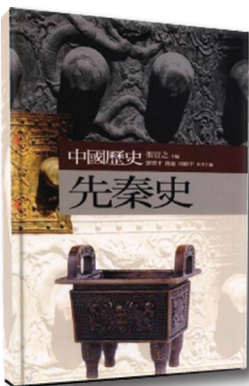
“Encyclopedia of Trypillian culture” («Енциклопедія Трипільської культури»; 2004)



Ancient Europe. Pottery jar (Trypillian culture, 6000-3000 BC)





Thailand. Pottery jar (4420-3400 BC)



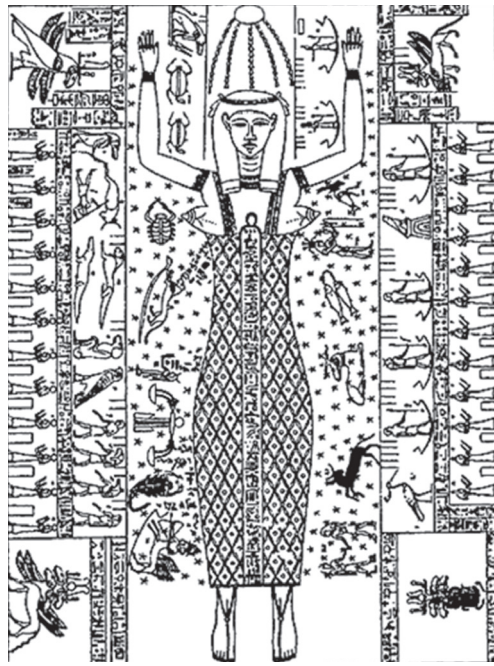
The book “Pre-Qin Period in History of China” (先秦史, 2002)

Ceramic jar of the Yangshao culture (5000-2000 BC) found in Shanxi Province, China.

 **Thailand.** Ceramic jar of The Ban Chiang Archaeological Site (the Bronze Age settlement (4420-3400 BC) located on the north-east of present-day Thailand).

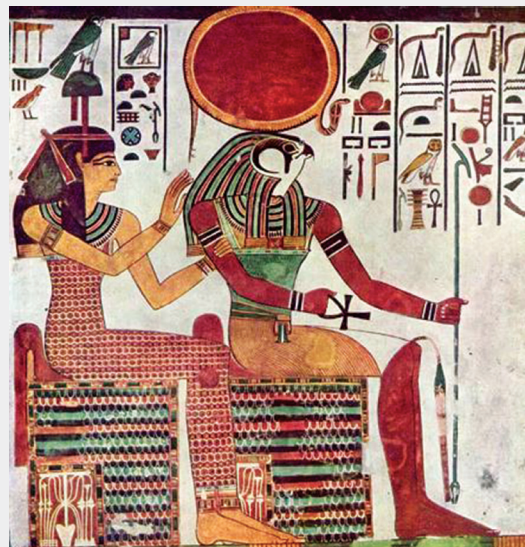
 **Ancient Europe.** Ceramic jar of the Trypillian culture (the Cucuteni-Trypillian culture) which was wide-spread in 6000-3000 BC in the Danube and Dnepr interfluve area (the territory of present-day Ukraine, Moldova, Rumania).

References: Мойсеєнко В.С. Хрест із півмісяцем - вічні символи. Ілюстрована історія символів України. [Moeyseenko, V.S., Cross and half-moon – eternal symbols. Illustrated history of Ukrainian symbols] Kiev: Oranta, 2006 [In Russian].



The image of the goddess Nut on the inside lid of the Egyptian sarcophagus found in 1857 in Thebes by egyptologist Heinrich Karl Brugsch.

References: Brugsch, Heinrich. Geographische Inschriften altägyptischer Denkmäler. Leipzig: Hinrichs, 1857-1860.



References: Гладкий В.Д. Древний мир. Энциклопедический словарь в 2-х томах. Том 2. – М., 1998.

 **Ancient Egypt**

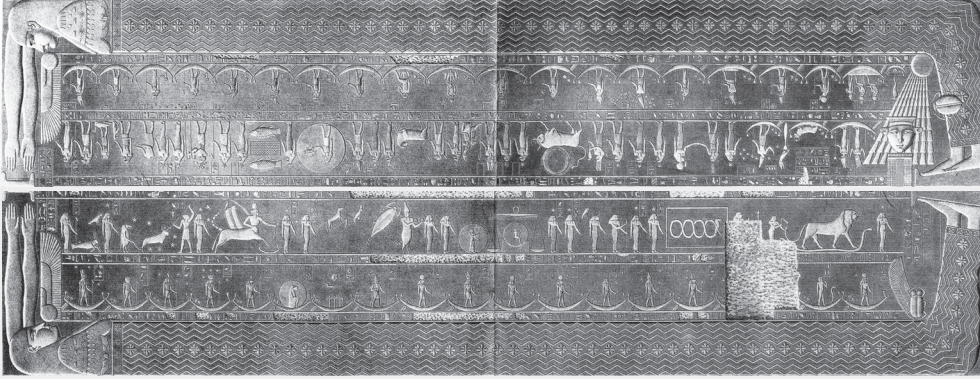
Ancient Egyptians believed that the goddess called Nut was the “Mother of the Stars”, “One who gives birth to Gods”. Her children were the stars which she controlled. She was identified with cosmic space. At first she was depicted as the Heavenly Cow, then as a woman Nut, as an ocean and even as a dome/roof, as the symbol of something hidden under the visible image, something incomprehensible to man. She fenced the invisible and incomprehensible part of the world from the visible, short-time and temporal part, the eternal world from the temporal and earthy world. Sometimes she was painted on the inside lid of sarcophagus looking at a mummy. Nut can be found in the drawings which were used to decorate the interior of pyramids or sacred texts. These were the images of a woman – the goddess of space, bent in the form of a square, rectangle or dome, stretching across the whole horizon. Her body or clothes, as a rule, had a grid ornament or a rhombus-like picture (sometimes with dots in every square).

References: Гладкий В.Д. Древний мир. Энциклопедический словарь. В 2-х томах. [Gladky, V. D. Ancient World. Encyclopedic Dictionary in 2 volumes] – Moscow, 1998 [In Russian].

↔ **Hathor and Ra–Harahuti.**

The paintings inside the tomb of the queen Nefertiti in Thebes. 19thdynasty. Apx. 1250 BC.

On the ceiling of the temple of the goddess Hathor in Dendera (Egypt) there is so-called “four cornered (rectangular) Dendera zodiac”. The bass-relief consists of two parts, with similar figures of the goddess Nut (in the upper part) and the god Geb (in the lower part). The goddess Nut is painted above the Universe in the form of a rectangle, thus forming a closed figure similar to a brick. In the center of her body there is a repeated rhombus ornament.



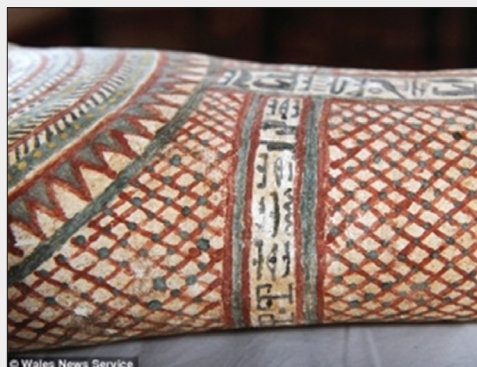
The sky goddess Nut, giving birth to the Sun. The ceiling of the “purgatory” chapel in the temple of the goddess Hathor (Dendera, Egypt), 1000 BC – 1000AD.

Judging by the graves in ancient Egypt, grid items made of beads were traditional burial jewelry. Such grid plaiting and patterns were painted on burial sarcophagus and statues and demonstrated beliefs of ancient Egyptians about the invisible world and where people went after. It is interesting that almost all such grid covers for sarcophaguses were made in blue and green colours and decorated by Turquoise beads. That has its meaning indicating certain sacred knowledge.

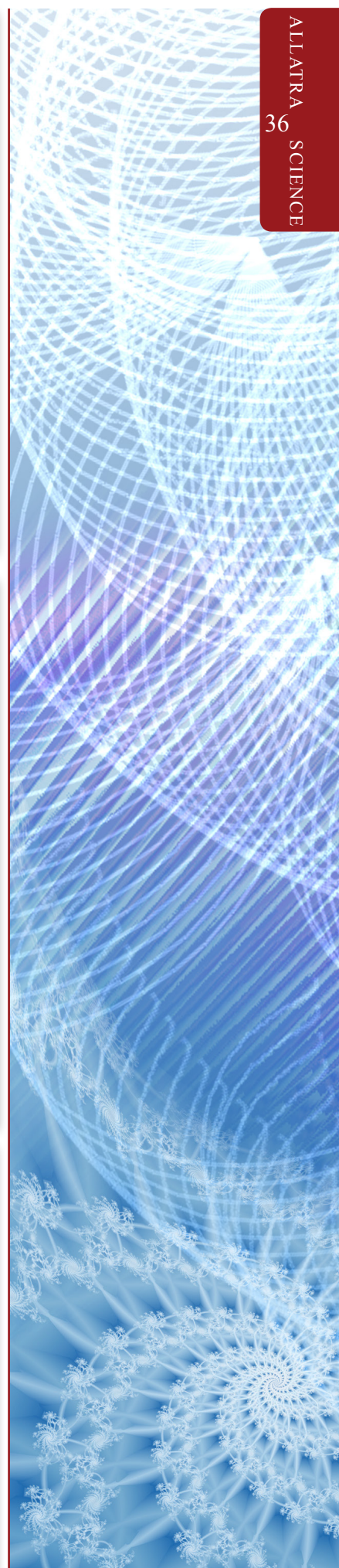
(Note: for more information on the meaning of blue and green colours in mythology of different nations of the world, please, refer to the book “AllatRa”).



Wall paintings in the Tomb of Tigrane Pasha (1000 AD) - the Catacombs of Kom el Shoqafa located in Alexandria (Egypt).



Fragment of a Egyptian sarcophagus with a pattern imitating the traditional cover net (600 BC).





⇐ Fragment of grid decoration on the sarcophagus of the Egypt mummy Nes-paka-shuti (760-656 BC) displayed at the Luxor Museum.



1) The sarcophagus of Hekaemsaef, found in a tomb in Sakkara (664-525 BC). Displayed in Egyptian museum in Cairo.

2) The best saved net "dress" for mummy found in a tomb in Giza not far from present-day Cairo.

3) Fayum mummies also known as Faiyum mummy portraits – burial mummies with portraits instead of

burial masks, found in the necropolis of Faiyum. (Roman Egypt 1-3 centuries AD). The mummies were made of withy in the form of a lattice.

References: Калашиников В.В., Носовский Г.В., Фоменко А.Т. *Астрономический анализ хронологии. Альмагест. Зодиак*. [Kalashnikov, V.V., Nosovsky, G.V., Fomenko, A.T. *Astronomical Analysis of Chronology. Almagest. Zodiacs*] Moscow: Delovoy ekspress, 2000 [In Russian]; Gifts of the Nile: ancient Egyptian faience / edited by Florence Dunn Friedman. London: Thames and Hudson in association with the Museum of Art, Rhode Island School of Design, 1998.

📖 Ancient China

In Chinese philosophy there is such an ancient concept as Yi Zhou, which expresses the idea of substantiality and structural order, the unity of space and time as the attributes of the Universe. It means "space and time", "Universe", and in modern world the word "yidzou" is used in the meaning of "cosmos". It is interesting that etymologically this word derives from the word denoting **two perpendicular** bars in the base of a roof. This information becomes even more interesting considering that in ancient times (though, the same today) the knowledge of the processes in the **invisible** world was explained by means of associative examples known to people from their everyday life in the **visible** world.

In the Chinese philosophical Taoism text “Zhuāngzǐ” (400-300 BC) the concepts “yi” and “zhou” were connected with the concept of “tao”. Namely, the word “yi” denotes spatial boundlessness “[that] has reality/substantiality, but is not in [specific] place”, while the concept “zhou” means time infinity (“[that] has extent, but does not have root and top”, i.e. (the end and the beginning). Note that the synonym of **yizhou** is **tan di** that literary means “sky and earth”. From the treatise of Yan Zhu “Zhuangzi”:

“It goes in, but has no root; it goes out, but has no aperture. It has a real essence, but it has nothing to do with place[for it]; it has duration, but it has nothing to do with beginning or end. That goes in by no aperture has a real existence; that has a real essence, but no place [for it] – it is space. That has continuance, but has no beginning or end – time. It has life [and] has death; it goes in; it goes out. What has no form when it goes in and out is called the door of nature. The gates of nature is Non-Existence. [All] things come from non-existence. The existence cannot bring itself into existence by means of existence, [it] must come out of non-existence . And non-existence has only non-existence. Herein is the secret of the sages. Among the ancients there were those whose knowledge reached the extreme point. Non-existence was regarded as the head, life as the body, and death as the tail. I will become a friend for those who perceived the unity preservation in existence and non-existence, in death and life. This ancient text about human self-perception, which contains information on the world structure, is still topical today:

“He who makes internal agreement stays unnamed. He who makes external agreement strives for possessions. He who acts unnamed, emits light even in the ordinary. He who strives for possessions is just a tradesman. Watching how he stretches on his tiptoes people consider him as an outstanding [person]. The life [of man] is like the soot [under a boiler]. To reveal [the meaning], we may say: the movement of essence.”

In the treatise “Zhuangzi” there are interesting mentions that “man after death may become a tarsus or a mouse liver”, and such things are explained using such “metaphysical” concept as “unsegmented reality” (i.e. undivided), in which “everything in all and all in everything” (Note: please refer further to the information about the stationary and phantom Po particles). If we consider this issue from the perspective of the disintegration of one life form and the creation of another one which consists of the same elementary particles (transforming from one state into another), it becomes clear that this allegorical example has something more apart from philosophical origin.

As for the term “yizhou”, starting from the ancient Chinese text “Zhuangzi” composed by scientists in 200 AD, it was used in the philosophical context, where “yi” was defined as “four sides of the world, up and down” (Note: as a rule, such a definition in ancient texts of the East was used to indicate a cube, cubic space), and “zhou” as “past antiquity and a coming today” (XI,12). In the same text the concept of “yizhou” is used in connection with the idea of oneness of the Universe: “The Sky (Tan) and the Earth(Di) and “yizhou” are compared with the body of one man” (VII,155).

As it was mentioned earlier, the notions of “yi” and “zhou” are connected with understanding of “dao”(tao) - one of the central concepts in Chinese philosophy. It is used in different philosophical schools and characterized as divine emptiness; all-encompassing unity of all; the first cause of origin; the source of everything and the principle of its existence. It is eternal and has no name, it is empty and inexhaustible; it gives birth to many things. It may be passed, but may not be taken, but may not

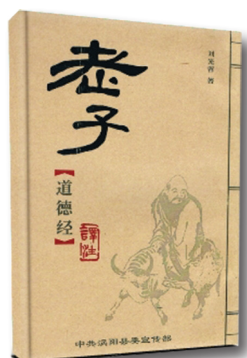




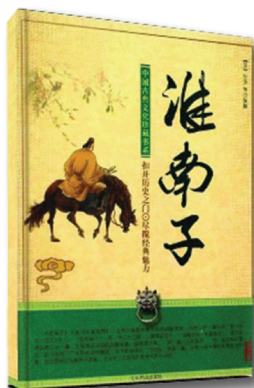
The book "Zhuangzi
in Chinese folk
literature"
(白话庄子, 2003)



Yin Yang sign



"Tao Te Ching"
(道德经, 2008)



"Huainanzi"
(淮南子, 2004)

be received. It may be perceived, but it can not be seen. It has its root and ground in itself. It has no beginning and no ending. It is everywhere and in everything and so on. For example, according to the philosophy of Lao Tzu dao means all-encompassing unity of all. It has no name and no form; it cannot be heard, seen, changed, handed down, perceived, defined, but it is absolute. It is calm, but at the same time it moves in everything. It does not change itself but it is the cause of all changes. It is eternally one. It is the root and mother of all things. "Man depends on earth, earth on sky(space), sky on dao and dao on itself". Tao is defined also as regularity of alternation of "yin-yang".

From "Tao TeChing", well-known Chinese philosophical text of the 6th-5th centuries BC: "The Tao is empty, When utilized, it is inexhaustible. The transformations of the invisible are infinite. [Tao] – the deepest gates of the birth. [It] exists [eternally] as an infinite thread and it is never exhausted. The Tao has no form. The Tao seems indistinct and unclear. But in its uncertainty and ambiguity there are images. It is indistinct and unclear. But in its uncertainty and ambiguity there are things. It is dark and deep. Within its darkness and depth there are the smallest particles. These smallest particles have highest reality and truth. The great is in infinite movement. That what is in infinite movement reaches no limit. As it reaches no limit it comes back [to its origin]. Thanks to it, everything is born and continues [its growth]. The Tao is hidden [from us].... The Tao gives birth to one, one gives birth to two, two give birth to three, and **three give birth to all creatures**. All creatures have in them yin and yang, they are full of Qi and are all in harmony... To follow the shine [Tao], to perceive its deepest sense..." (Note: The sign Yin Yang symbolizes the creative unity of the opposite forces in the Universe). It was depicted as a circle divided by an S-shaped line into a dark and a light segment, each containing a dot that is symmetric towards each other (the light one - on the dark side, and the dark one - on the light side). According to ancient Chinese views yin means "variability", and yang means "inalterability, patency, inviolability". It is explained in the PRIMORDIAL ALLATRA PHYSICS that variability is a characteristic of the phantom Po particles, and patency and inviolability – of the real (stationary) Po particles.

From "Zhuangzi": "Dao....is connected with something that has no form. It runs as a source, it is in full swing.... It stands between sky and earth and fills all the space... It strains four ropes, it has Yin-Yang in its mouth" (Note: for "has Yin-Yang in its mouth" refer to the book "AllatRa", the information about the crossing point of the 72nd and the 1st dimensions, about the ancient symbol of the Universe - the snake biting its own tail, about the Dahomey mythology, where God created the world from the mouth of a snake).

References: Новая философская энциклопедия. В четырех томах. / Ин-т философии РАН. Научно-ред. совет: Степин В.С., Гусейнов А.А., Семигин Г. Ю. [New Philosophical Encyclopedia in 4 volumes./ The Institute of Philosophy, Russian Academy of Sciences. Research and editorial board: V.S. Stepin, A.A. Guseinov, G.U. Semigin] Moscow: Mysl, 2010, vol. IV [In Russian]; Философский энциклопедический словарь / ред.-сост. Губский Е.Ф. [и др.]. [Philosophical Encyclopedic Dictionary/ editors – E.F. Gubsky and colleagues] Moscow: Infra-M, 2006 [In Russian]; Китайская философия. Энциклопедический словарь/глав. ред. Титаренко М.Л. [Chinese Philosophy. Encyclopedic Dictionary/ head editor – M.L. Titarenko] Moscow: Mysl, 1994 [In Russian]; Ян Чжу. Леэзы, Чжунанэзы. Перевод Позднеевой Л.Д., Гл. ред. восточной лит. [Yang Zhu. Liezi, Zhuangzi. Translated by L.D. Pozdneva, head editor of Eastern literature] Moscow: Nauka, 1967 [In Russian]; Ян Хун-шун. Дао дэ цзин (пер. Ян Хуншуна). Древнекитайская философия в 2-х т. [Yan Hin Shun. Tao Te Ching (translated by Yan Hin Shun). Ancient Chinese Philosophy in 2 volumes] Moscow: Mysl, 1972 [In Russian]; A Dictionary of Philosophy of Religion. Edited by Charles C. Taliaferro and Elsa J. Marty. London: The Continuum International Publishing Group, 2010; The Oxford Handbook of Religion and Science, edited by Philip Clayton and Zachary Simpson. Oxford University Press, 2006; Sherrill W.A. Heritage of Change: A Background to Chinese Culture. Taipei. 1972; Wilhelm R. Geschichte der chinesischen Kultur. München. 1928.

Cosmic symbol of spinning and weaving

The symbols of weaving and spinning had sacred meaning for many nations. We can find a rather interesting ancient knowledge that has been preserved to the present day. For instance, there is one modern word, which sounds in Arabic as *(nul)* and means 'an ancient hand knitting loom' (a plain rectangular framework with **two** strained threads forming a **lattice**). Knowing the sacred meaning of the symbol of weaving for ancient people (and spinning), one can understand associative connection of this symbol with their cosmological conceptions. Namely, a hand knitting loom was used as an example to explain the tool of creating the Universe, which was operated by the creative god who knitted threads, intertwined a **pattern (signs)** from them in the cloth of the world, thus determining the life and destiny of everything, including every man. And the spinning processes (the process of linear folding and **spiral twisting** of different fibers with the help of a spindle in order to create one solid yarn) were used to explain the process of creation of all the things and life in the Universe. **Spiral rotation** of spindle symbolized **the movement of the Universe, a curtain**, through which the world is seen **as an illusion** (Note: the *Ezoosmic grid level*). The word "spindle" is related to the ancient Indian word «*vartanam*» - "spinning, rolling, moving backwards and frontwards".

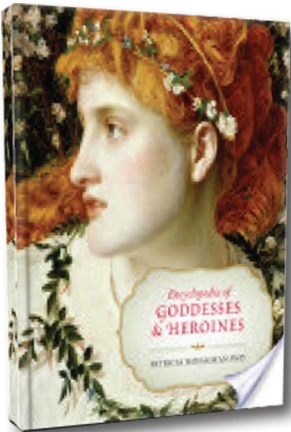
The spinning was a characteristic of the Great Mother and "moon" goddesses (as a rule, their characteristic feature was the Allat sign - half-moon with its horns up) and the weavers of fate in cosmic mythology of many nations of the world. For example, in the East-Slavic mythology the patroness of the female principle, fate, fertility, water, spinning and weaving (also called the invisible Great Spinner of the world) was the goddess Makosh (Mokosh); one of her attributes was a cornucopia, half-moon with its horns up. On the whole it is worth mentioning that east Slavs had the unique ancient knowledge of the universe and man, of signs and symbols back in pre-Christian times. All that may be found in their culture and beliefs, and in architectural structures of Slavic temples and chapels (Note: for more information please refer to the book "AllatRa"). They knew about the creation of the world as a process similar to the process of creating a yarn or cloth: the world "is spinned" as a yarn, "is wrapped" as a warp yarn, and "is weaved" as a cloth. How this ancient knowledge was destroyed and the new worldview of priests was imposed and politicized, one can judge by the fact that almost all lectures against paganism in 12-14 centuries contained the name of ancient Makosh.

Makosh was an important goddess of the Proto-Slavic pantheon, who was among seven main gods. The meaning of her name "Makosh", more precisely, "Ma-kosh" is very interesting. The etymology of this word is said to be connected with the root which denotes "spinning, yarn". In Sanskrit there is a word "moksha" (moksa) which means "liberation" and is still used in Indian philosophy and religion as the concept of spiritual liberation. In the name Makosh, taking into consideration old Indo-European age of the word Ma, the first word means "Mother" (the Great Mother, who gave birth to the world, the Goddess of Fate). And the word "kosh" in old Slavic language means "**braided basket**", braided cart for sheaves (known from the times of the Eneolithic - 4000-3000 BC), a storage for grain. Moreover the phrase "my lot" (meaning "my fate", "my destiny") meant "my cart of sheaves", "my basket of grain". Taking into consideration ancient associative symbolism of these objects and plants connected with the explanation of the process of creation, it is clear that it has non-material meaning, for example, the phrase "my basket of grain" meant "my spiritual good", "my spiritual value". In the mythology of nations of the world grains represent an ancient symbol of birth, resurrection, and

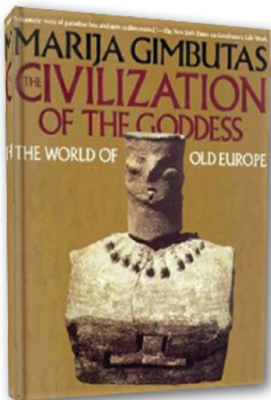




B.A. Rybakov
"Ancient Slavic Paganism", 1981



"Encyclopedia of Goddesses and Heroines";
2014



Marija Gimbutas.
"The Civilization of the Goddess: The World of Old Europe", 1991

renewal of the world; and from the perspective of the spiritual development of man the symbol of grain is the formation and establishment of spiritual life in a man, where the highest values are the achievement of non-material goods, spiritual maturation and improvement during his lifetime; i.e. the conception of eternal spiritual life in the short-time existence of a cover - body. That is why the initial image of the goddess, patroness of full baskets, as the Mother of the true Happiness (liberation), had completely different meaning connected with non-material values of a man.



Scheme for Slavic embroidery pattern depicting the goddess Makosh

Niederle, Lubor. Slované starožitnosti. Praha: Bursik & Kohout, 1916; Gieysztor A. Mitologia Słowian. Warszawa: Wydawnictwo Uniwersytetu Warszawskiego, 2006.

In many ancient cosmological myths of nations of the world it is noted that it is goddesses (Note: *the force of Allat*) who made weaving as an act of cosmic creation, continuous process, where all **coming** events - **threads** - were **interweaved** in a constantly changing pattern **on an unchanging warp**. Moreover, warp (the lengthwise threads on a frame) was the symbol of the permanent and constant which links all the levels of the Universe. (Note: refer to the ezoosmic grid, the real(stationary) Po particles). And weft (the transverse threads placed perpendicular to the warp threads and interweaved with them) symbolized the inconstant and changeable, quantitative, the nature itself in time and space (Note: please refer to the phantom Po particles). The warp and weft make up a cross.

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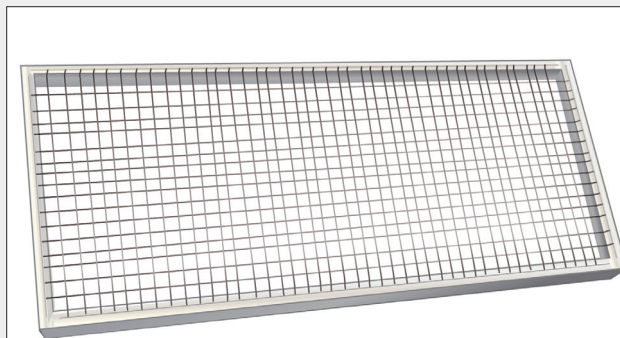


Figure 2. Ancient hand loom (a rectangular plain frame with two strained threads forming a lattice)

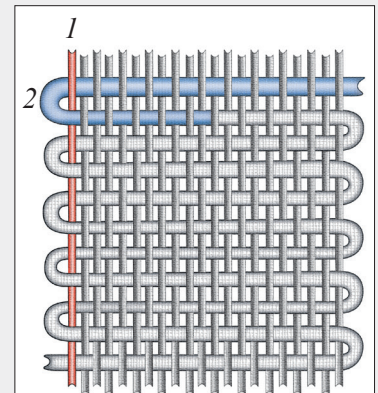
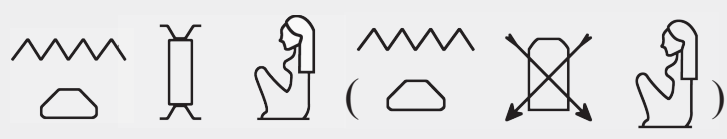


Figure 3. Warp (1) and weft (2)



Figure 4. Woman working at an ancient weaving loom

Almost all the goddesses of Fate and Time in mythology of nations of the world are spinners and weavers. Even nowadays one can find various mentions, rituals, traditions and legends connected with that, for example, as sisters Day and Night make the web of time, space-time cloth of cosmological creation. However, there are mentions that are even more ancient. For example, in Ancient Egypt the goddess Neit was worshiped as the initial goddess of sky, wisdom and weaving, from who the sun god came out and shined. According to myths, in the beginning of times she strained the sky on her weaving loom and weaved the world from the primordial waters, weaved all the living creatures including men and women. Usually Neit (Net, Nit) was depicted with the help of the following hieroglyphs:



The first hieroglyph means her name (the root "nt"), the second hieroglyph indicates her symbol, placed on the head, and the third hieroglyph means "goddess". It is interesting that judging by the root the name Neit is connected with the root of the word which means "to weave" (ntt) . It is also the root of the word "existence". Egyptians believed that Neit is connected with the goddess of primordial void (primordial waters) - Nun. The name Neit is also connected in the root with the word "water" (nt) / – thus indicating the connection of Neit with the goddess of the primordial waters. In one of the myths Neit is said to be the one who "illuminated the first face" or illuminated the first face surface". Plutarch and Platon quoted the following text about the goddess Neit: "I am all things that are, that will be, and that have been, and no mortal has ever unveiled my cover." According to the historical sources in Ancient Egypt there was a prayer to Neit: "Oh the great Mother, whose birth is unperceivable. Oh the goddess young and great, whose cover can not be unveiled! Oh, open your cover, the precious, because I have no way to you. Come and take my soul and protect it with your hands."

References: Budge, Wallis E.A. *The Gods of the Egyptians: Volume 1*. New York: Dover Publications, Inc., 1969; Hart, G. *The Routledge Dictionary of Egyptian Gods and Goddesses*. London: Routledge & Kegan, 2012; Byrnes, A. *The goddess Neith in the Early Dynastic period*. *Egyptological*, 2013; Mallet D. *Le culte de Neit à Sais*. Paris, 1888.

North America and Mesoamerica

We can see similar picture on the other continents thousand kilometers away from these places. For example, in North America the indigenous people of Alaska (Indians of the Northern Athabaskan ethnolinguistic group) have a myth about the goddess Atsentma (Atsintma). It tells that Atsentma opened her eyes in an empty world. Then she weaved



Vinča culture. 6000-5000 BC, Terracotta female figurine



Priestess of the goddess Neit. Dendera Temple (Egypt), 1000 BC – 1000 AD



Greece. Clay female figurine. 700 BC

a cloth from the flowers of Chamerion (fireweed) (in Slavic nations, a plant from the willowherb family - иван-чай) and stretched it, fixing at the corners on holy mountains. Then she started to sing. It caused the beginning of the universe. It is interesting that fireweed is rather wide spread, in Alaska as well, its flowers are arranged according to **the fourhold scheme**. Its lower ovary is four-sided; with time it transforms into a long **four-sided box** which bursts into 4 leaves and releases a lot of grains which thanks to long fuzz have the ability to fly at long distances. When we know such details, it is clear why this plant was used while explaining cosmological conceptions. (Note: other nations of the world associated the Universe with a plane four-sided brick, and voice, The first word, the voiced sound was associated with the Primordial Sound).

In cosmic mythology of Indians of Central America the most ancient by its origin is the goddess-mother who created the world, the goddess of fertility and spiritual purity. (By the way, in most tribes, let say, in South America, the matrilineal kin dominated before the European invasion). With the spread of social technologies and their development this goddess became the progenitress of the panteon. Then goddesses of the moon, rain, corn and so on appear. It is interesting that some of them still have ancient elements and attributes of the goddess who created the world: clothing with grid pattern, spinning wheel and some signs including circle, equal-sided cross, the signs AllatRa and Allat. (Note: for more information please refer to the book "AllatRa")



Aztec goddesses:

(1) - Chalchiuhtlicue, goddess of water, lakes, rivers, seas, streams, the mother of the Centzonmimixcoa (stars of the northern part of the sky). (2) - Tonantzin ("Our Mother") – goddess-mother, personification of the earth and goddesses of the moon. (3) Toci - ("Our grandmother"), her attributes were connected with weaving and spinning. (4, 5) - Tlazolteotl, goddess of fertility – one of the ancient goddesses of Mesoamerica, ascend

to the "goddess with plaits". The Aztec probably borrowed her cult from the Huaztec. The distinctive features of the goddess – a nose insertion in the form of a half moon, headdress made of quail feathers with a piece of cotton wool and two spindles.

The found archeological artifacts show how ancient goddesses were replaced by male gods. They also show the rise of the priesthood, the desecration of old gods and removal of their creative functions, substitution of signs. With the development of political power

various gods of power, rulers and dynasties appeared, human sacrifice to gods was introduced, ancient spiritual basis and knowledge were eliminated.

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EZOOSMIC CELL

- a basic minimal element in the structure of the ezoosmic grid. In the third dimension it has the form of a cube with sides representing the ezoosmic membranes. In the centre of the cell there is one real, unchangeable, stationary Po particle. The phantom Po particles, which make up all the elementary particles in the material world, moving spirally, can go through the ezoosmic cell. In the ezoosmic cell there is an important process of partial redistribution of energy and information (subtraction of some part of energy by the real Po particle and reading the information from the moving phantom Po particle) and also various collisions of two phantom Po particles under the influence of the real (stationary) Po particle on this process. All this determines the future development, transformation or elimination of matter which consist of the phantom Po particles.

The process of collision of two phantom Po particles in the ezoosmic cell is also very interesting. For example, in the visible world we can see a process of collision of two elementary particles. But how does this process start at the level of the ezoosmic grid?

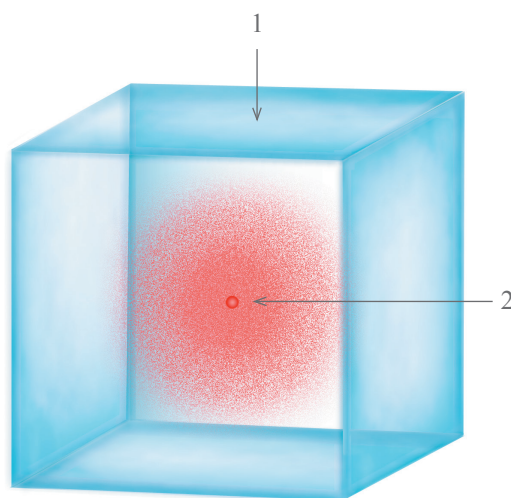



Figure 5. Structure of ezoosmic cell (1 – ezoosmic membrane (sides of the cube); 2 – real Po particle).

There takes place a process of collision of the first (head) phantom Po particle from every of these two elementary particles. The collision of two head phantom Po particles always occurs under the influence and control of the real (stationary) Po particle. This process is accompanied by the emission of significant amounts of energy and part of it is taken by the real Po particle and redistributed on the system of the real Po particles (the septon field). *Note that all successive phantom Po particles which make up the given elementary particle invariably pass through the same ezoosmic membranes and cells which their first head phantom Po particle has passed through.*

Knowing what takes place in the invisible world when two elementary particles collide, it gets clear why one and the same reactions (with identical external conditions) are in fact never absolutely identical and there are always minor fluctuations in them.

EZOOSMIC MEMBRANE

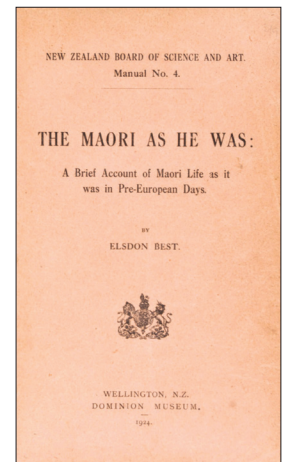
- a unique non-material structure. It represents the "sides" of spatial cube of the ezoosmic cell. *The main action which gives live to all the material system - the process of EZOOSMOS – happens through the ezoosmic membrane (its centre). It is characterized by so-called “paradox of dimensions”:* in three-dimensional world the ezoosmic membrane has practically no thickness, but at the same time it really exists and its inside space is infinite. Between nearby ezoosmic membranes which are on one straight line there is always absolute distance (by size).

 In ancient texts and legends there was different information about the unexplainable (from the perspective of a man with materialistic worldview) inner space of the ezoosmic membrane which, on the one hand, has no thickness in the three-dimensional world, but at the same time its real space is infinite. That limitless, eternal space, from which the creative force (energy: in the book “AllatRa” the ancient term “the force of Allat” is used) and the initial plan come (information: in the book “AllatRa the ancient term “The Initial Lotus Plan” is used”) were called “the spiritual world”, “the world where gods are born”, “primordial”, “eternal”, “what was always before the creation of the world”. Moreover, the spiritual world name was initially plural (for example, the world of gods), as something that unites many (“one in many”) and the material system was used as single, allegorically compared with “cosmic body”, “mortal I” (Ego, from latin word “ego” – “I”).

Later on, with the development of religious and political institutions in the society and the rise of patriarchate, the spiritual world name became single (the world of God), while the material world name turned plural, the creative female divine nature was designated as evil, and the aggressive male nature was called good. It means that the signs were deliberately changed by priests and those in power from “+” to “-” and everything was changed completely to the opposite, to the benefit of the material mind system. Let’s take one clear example.

Mentions about gods named “Po” (or with the initial prefix Po in their names) who participated in the creation of the world were common among the peoples of Hawaii, Haiti, Easter Island, New Zealand, though they were at a significant distance away from each other. For example, according to the ancient cosmological views of the indigenous people of various islands of Polynesia (subregion of the Oceania, consisting of many small islands in central and the south-western part of the Pacific), in the result of the cosmological process there were “Kore” (emptiness) and “Po” (which is translated as “night”, “darkness”, i.e. **the invisible**). It is mentioned that such gods as Che (Sound), Ao (Light), Kune (Progress) and others took part in the creation of the world, including the gods-roots. In other Polynesian teo-cosmogonia the role of ancestors which were connected with the beginning of the cosmic process were taken by Atea (space) or Te-tumu (source).

More ancient variant of the myth about the origin of the world of Maori – the indigenous people of New Zealand – tells about the couple Rangi(Sky) and Papa(Earth). According to the legend Rangi and Papa had children (seventy sons and daughters) – future gods of Maori. For a long time they stayed in darkness in cramped space between the bodies of their parents who were in a tight embrace. In the end five of them tried to push Rangi and Papa apart though their efforts were in vain. Then the sixth child (Tane) straightened his mighty back and bumped his hands into Rangi (Sky) and pushed off Papa (Earth). The sky was casted away up and fixed on four poles (toko). In New Zealand it was described as the riot of the gods-brothers against their parents Rangi and Papa and the following quarrel between brothers. (Note: in the described cosmological conception associative images were given: of emptiness, the invisible Po particle, the creation of 72 dimensions was mentioned too(70 children and 2 parents), the separation of 6 dimensions, which form the material world, from 66 dimensions; the sixth dimension – the ruling part of the material world system, where every event in the visible world forms).



Elsdon Best ,
“The Maori As He Was:
A Brief Account of Maori
Life as it was in
Pre-European Days”;
1924

In Polynesian cosmology the Earth opposes both the Sky **consisting of many layers** and the underground world associated with the darkness of Po. Moreover, the functions of the upper and the lower worlds are often mixed together. It is the most typical division in many cosmological conceptions of different nations of the world, **where the Earth denoted all the material world on the whole, the Sky – the invisible macrocosm, divided in dimensions (layers) and the underground world – the world of the invisible processes going at the level of microcosm (that what could be divided into the smallest parts, the state of “spirits”)**.

But the past knowledge, saved in myths, has been significantly changed according to the fashion of “new era”. This can be proved by the following facts: “The belief in one God who created the world appeared among the residents of Oceania islands much later: as a result of the creation of classes and the introduction of Christianity ancient myths and legends of Polynesia were transformed and changed in accordance with new views”.

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“Myths and legends
of Ester Island”,
1978

If you study ancient Greek literature (which is more popular and available to the public) about the creation of the world, then you can find the following. The personification of the initial state of the world, before the structured Universe(cosmos) appeared, was “chaos”. Though the initial world “chaos” had quite another meaning, different from the modern one. The word “chaos” derives from the ancient Greek word «χάος» (from «χαίνω»)– “to open out, to gape, to open out mouth; to eject” (Greek “chainein” – ‘to gape’) and had the meaning of **yawning of a gaping space, the primordial void**.

Under the name chaos ancient Greeks meant unmeasurable infinite world space, the initial source of the Universe, the initial source of all life in the world from which everything originated, “without what there is nothing other and what exists without the other”. That is that initial “precosmic state” from which God created the world as ordered, harmonized cosmos. What is more, there are some mentions, that entering into that “gaping space” from which everything originates was allegorically connected with going through **fog and darkness**. (note: the analogy



“Encyclopedia.
Myths of nations
of the world.”, 1987

of the ezoosmic membrane). Moreover, stoics mentioned that unlike Chaos-gape, chaos-substance was not empty. The chaos-substance, according to the stoics, is a very defused substance which thickens under the influence of vortex and creates the Universe (Note: for more information please refer to the phantom Po particles and their spiral movement).

The initial information about all these phenomena and processes, which ancient Greeks refer to, can be found in the sacred knowledge of the ancient East which was borrowed by ancient Greeks and transformed according to their own understanding of these processes. One can find mentions about the Great Emptiness (translated by modern translators, unfortunately, as “unordered chaos”) for example, in ancient Egyptian, Japanese, Chinese, Polynesian mythologies about the creation of the world. This information can also be found in Scandinavian, American (Pre-Columbian) and other mythologies of nations of the world.

In many ancient manuscripts there are mentions about such concept as Zero (Null). This concept exists in many languages of nations of the world from ancient times. For example in Sanskrit – शून्य (śūnya), Greek – μηδεν ([mi:ðen]), which means «nothing, zero», Latin – nullis, that means «not a one». In the Yoruba language, wide-spread in the western part of Africa, zero sounds as òdo or òfo and means «emptiness, nothing» and so on. The English word “zero” as well as the French word “zéro”, Spanish “cero” and similar names of zero in other languages derives from Arabic *ṣifr* (صفر), meaning «emptiness, nothing, absence of anything». In Arabic the word “zero” still has the same root.

In Sanskrit there were two words for “zero” – shunia (शून्य) and bindu (बिंदु). The word shunia is still used in Hindi and denotes “zero”. It is interesting that the concept shunia itself is an important philosophical category of Indian thought which has a deep meaning of emptiness, vacuum. In Mahayana Buddhism, namely in the “Prajñāpāramitā Sūtras”, (Sūtras on highest wisdom) the word “shunia” means psychological state of feeling emptiness, which is the main feature of the beginning of the state of “liberation” or nirvana. Also shunia may denote emptiness and freedom.

Zero was interpreted as the cause, which leads to a change: that what forms substance and what can be made in continuous transformation (Note: in the process of ezoosmos). It was associated with the primordial emptiness, which has in it the principle of creating all things. Null was explained as an absolute mystery, inapprehensible Absolute, “initial drive”, the sum of all the possibilities, “nothing”, “the state of absence of all the material: size, effect, mass, volume etc. For example, in Hinduism zero means something unmanifested, endlessness, eternal, non-existence. In ancient times in the East understanding of “existence” was associated with the temporality of being and the short-time sojourn of human body in it, and the understanding of “the real life” was connected with the spiritual world, with the fusion of the Personality with the Soul and passing into the spiritual world. It is not accidentally that zero was depicted as an empty circle, thus indicating that there is no death but absolute life inside the circle. Although this is not the only one depiction of zero.

For example, in Mesoamerica the people of the Mayan civilization more often drew zero as an empty shell (although there are also 25 more hieroglyphs which denote the concept of zero, one of which - two spirals similar to the Russian letter 3 (or the number 3)). The Maya called zero «tulakal», and the Aztec - «sintli»(all). In Asia the most popular image of zero (apart from circle) was a dot. For example, in Arabic

proto-script one can find the diacritic mark sukūn (سکون "silence", "calmness"), which looks like a small zero. In religious and philosophical teaching of Ancient India – Tantrism (from Sanskrit «tantra» – system, braid, yarn, spinning wheel, cloth, text, etc.) there is the bindu sign (literally «dot», this concept is interpreted as «spot», «grain», «source», «basis»). In Sufism dot (in Arabic نقطة «nusk») plays an important role in handing down the teaching, as “the inner knowledge”.

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SEPTON FIELD

At the level of the ezoosmic grid all real Po particles, although each of them exists in its ezoosmic cell, are connected with each other through the common septon field. (*Note: for more information about this field refer to the book “AllatRa” where it is mentioned under the term “Animal mind”*) The septon field unites all stationary Po particles in one solid system, “managing part” of the material world, which functions as one “control centre” only within 6(!) dimensions (*Note: refer to the book “AllatRa” – “the power of the Animal mind is limited to 6 dimensions”*). In the septon field there is an immediate informational contact between the real(stationary) Po particles. It means that in this field information is transmitted immediately from one real Po particle to another, no matter how far they are placed from each other in the ezoosmic grid. There is no time in this field.

The septon field is a common universal field thanks to which all the fundamental interactions in the material world take place. It is at the core of any phenomena, process, object and their components. Both


the objects of macrocosm and the objects of microcosm have their own septon field. This is a common field which unites them in their essence, as the real Po particle and the phantom Po particle consist of the elements of this field – septons. This universal field determines the behavior of complex systems. The knowledge of the septon field are the key one for the understanding of the material world at all levels of its existence. It can give answers to such questions as: what is time, space, gravity, electromagnetism, the nature of the electric current, what makes the particles and objects move and strive to survive, interact with each other. If you know how the septon field functions, you can understand how the process of information transmission, its encoding and decoding by different systems, etc. takes place. Moreover, knowing how the septon field of various objects, including human beings, functions, one can understand how the process of thoughts formation takes places.

The unique structure of the septon field, its minimal component is a septon (the modern term which is



used in the PRIMORDIAL ALLATRA PHYSICS). The word septon derives from the Latin word “septem” which means “seven”. Such name was given due to the number of elements in this structure. Moreover, taking into account the philosophical context, the concept of septon (as part of the Animal mind) relates in its meaning to both the Latin word “septum” and the Greek word “σήψιζ” (sept). The Latin word “septum” means “fence”, i.e. a soft wall dividing some space, room into parts, internal enclosing structure, main framework. As it was written in ancient times, one of the main actions of the Animal mind is division and separation of one into parts (divide and rule). The Greek word «σήψιζ» (sept) means “decay”, “rotten”, i.e.

perishability, destruction, decomposition of the dead, the transformation of the dead under the influence of some conditions (that plays a significant role in the cycle of elements). Septon may not be ascribed even to the smallest indivisible Po particle as it is what creates the Po particle itself (both the real and phantom one) but it is not the Po particle in its basic essence. The structure of septon consists of an inclusion of the force of Allat and surrounding six “antipode-reflections” – anti-allats, i.e. overall – 7 elements. As a figurative example, taking into account many associations of the three-dimensional world, we can say, that it is some kind of a mini-machine, a mechanism which transforms the force of Allat into anti-allat, which allows the material world to exist.

 From the book “AllatRa”: And here is another very important aspect of the creation of the Universe, which gives an understanding of what the Universe represents now. **The drive of the force of Allat for the unified ordered form set the motion of the Universe “from the inside to the outside” and started spinning it in the right spiral, i.e. towards expansion.** So the function to create was set. (People from the upper Paleolithic times symbolically depicted this movement “from the inside to the outside” as the right swastika (the “straight”, “right” swastika), in other words as a cross with edges bent to the left. Such a swastika symbolizes the clockwise movement — in the right direction. By the way, translated from Sanskrit, the Old Indian word “swastika” from the word “su” means “associated with good”, i.e. “su-asti” means “the beautiful exists”, “good existence”.

Simultaneously, while spinning the Universe in the right spiral, the force of Allat gave birth to the opposing force, which started spinning in a reverse spiral inside the Universe, in the direction which was opposite to the main direction of Allat — “from the outside to the inside”, bringing matter together into a unified material Mind (the Animal mind). Thus, the destroying function was set, an opposition to the forces of Allat. (Peoples symbolically depicted this motion “from the outside to the inside” as the wrong, aggressive, reverse swastika, i.e. as a cross with edges bent to the right. Such a swastika symbolizes the counterclockwise movement — in the left direction. In mythology, the emergence of the countervailing force is reflected in the image of the emergence of fire out of water).

So, in such a way there appeared two directly opposite forces in the Universe: the greater force spinning the Universe outwards, and the smaller force that opposes it within the Universe itself. After these two forces had manifested themselves, the Universe lost its spherical shape and flattened under their influence, that is, compressed, became flatter. This point is recorded in the cosmic legends of nations of the world as the cracking of the world egg, splitting it in two halves, out of which heaven and earth were created, and divisions (spaces) and waters were placed between them. Other legends say that the components, which remained after the egg had cracked, expanded and turned into the Universe. Still other episodes mention the division of the world into two elements or two deities with directly opposite functions, the creation of an invisible couple.

*The spirals themselves are represented in myths as, for example, the first couple of gods with opposite functions (one having the divine essence, while the other one, the demonic one), from whom the other gods later descended. In another version of the legends, they were depicted as half-humans and half-snakes (at that, the creative ones being the water deities, had bodies of the distinctive **green colour**). In a third version, there were characters that embodied order, life waters, fertility, and light; the opposite ones personified disorder, death, darkness, an unpaired creature (for instance, according to African myths, the jackal who desired to become the master of the Universe). So this is how the creation of the Universe was reflected in myths. It is just that modern people have lost the understanding of the spiritual side of the subject, and everything has been reduced to the level of the material perception of ancient stories. (Note: for more information about the force of Allat please refer to the book «AllatRa»)*



Structure of septon: 6 anti-allats (“antipode-reflection”, “smoking mirrors”) and inclusion of the force of Allat.

In ancient times this structure, which is the main unit of the septon field, was also associatively compared to 6 “smoking mirrors” (baneful origins), that surround the shining source (the candle of living light; the true origin). These mirrors, while turning, only distort the reflected light and are not light by their nature. In ancient legends the true nature (the inclusion of the force of Allat) was compared to a burning candle. It was mentioned that once the burning candle disappears, all the visible will disappear and turn into nothing. The candle is a constant burning, the mirrors are constant reflection. In such a way ancient people explained the essence of the constant movement and action of this structure – septon. There are much more reflections, they attract man’s eye, focusing his attention on the dead. The real source of life for a human being is only one, and it is

hidden not in the external world or human body, but in the Soul. On the whole, it was mentioned that this is plural mirror reflection of the one, as the brink between the visible and invisible worlds, reality and illusion, which only disguises as reality. That is why it was written in spiritual texts that only that one who is not bound to the visible, takes care of the Soul.

Using modern associative comparisons, 6 “antipodes-reflections” - anti-allats - may be called some kind of microgeographical objects which exist only thanks to the presence in this world of the force of Allat and make up the essence of the illusionary world – the world of many pseudocopies. Ancient texts contain mentions that this temporal world is just an illusion of mirror crossings, which captures the man's attention by false realism of shadows, their





play of mutual contemplations. Everything is just a reflection of something, a cause and a consequence. What draws human attention more: the mirror play of many reflections of the material world or the true spiritual source – the part of that he becomes in the end.

Every Po particle (both the real and phantom one) - is in its essence a concentrated cluster of septons around which there is its own moderate diffused septon field. It

air. Also Po particle can be associatively compared with snow clod consisting of many snowflakes (septons). In this concentrated clod (Po particle) there are up to 80% of septons, in its own septon field which surrounds this clod – up to 20% of septons. On the whole, the phantom Po particle (which all the elementary particles consist of) may be associatively compared to a convenient mechanism intended mainly for storage and transportation of an inner potential (energy

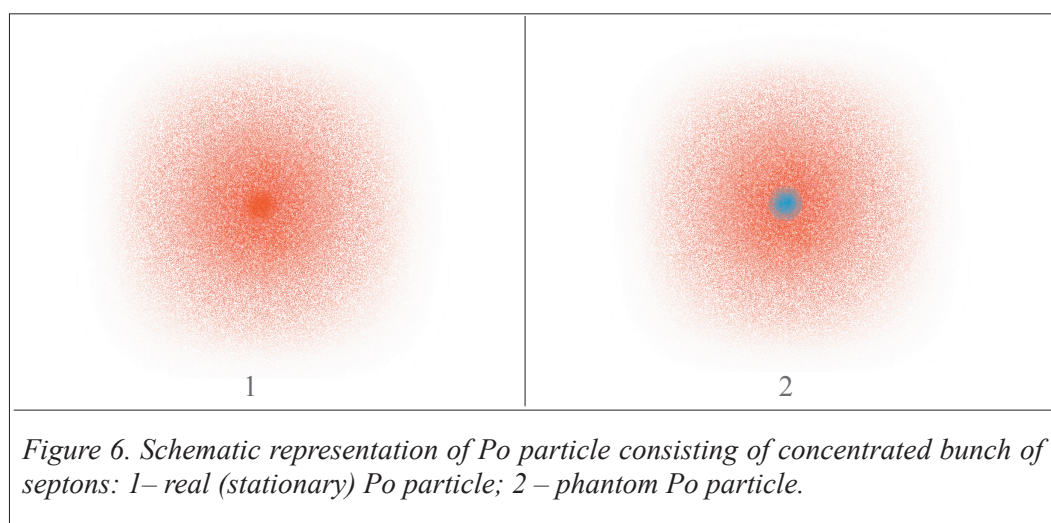



Figure 6. Schematic representation of Po particle consisting of concentrated bunch of septons: 1 – real (stationary) Po particle; 2 – phantom Po particle.

means that Po particle represents a high concentration of septons in a small space - the ezoosmic cell. Figuratively, in order to understand the process, Po particle maybe compared with the atmospheric vortex (tornado) where septons are the molecules of the

and information). And the real Po particle (one of the main elements of the ezoosmic cell) which has a higher concentration of septons may be compared to a convenient mechanism intended for partial redistribution of the inner potential of the phantom Po particle.

 In early Vedic mythology there was a concept “maya” (in Sanskrit **माया** literally – “illusion”), which later was introduced to Hinduism and other religions of India. This concept denoted the image of something that exists on its own, aside God. It was thought that if God is not visible, nothing could be seen in its real form because in this case man is under the influence of maya. The material world – maya, consisting of collection of many illusions - makes man perceive and see everything in a wrong way, in false form which are not such in Reality (spiritual world). Maya hides Reality. An illusion appears because man is tempted by wishes in this world and unwilling to enter the genuine Reality. In Veda the term maya denotes the force which originates in the material world.

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A septon field is the basis of the material Universe. This field is everywhere. It forms the basis of all known and unknown (to official science) fields and interactions, material objects, organic and non-organic combinations and so on. The septon field may be found in all living and non-living objects and phenomena. For example, the Earth has its septon field too. And as in cases with other objects it activates before certain phenomena happen. It was noticed that almost 7-8 hours before a tornado there is a drastic rise of the septon field intensity in the places where it originates and on its way. According to the latest research in the sphere of seismology and volcanology, conducted by the scientists of the ALLATRA International Public Movement, in "focal" areas of our planet there is a rise of the septon field intensity and its alterations before earthquakes and volcano eruptions. Our experience has proven that we can study these processes, control them and make accurate forecasts of natural events. *(Note: for more information please refer to the report "On the Problems and Consequences of Global Climate Change on Earth. Effective Ways to Solve These Problems" – <http://allatra.org/ru/reports/o-problemah-i-posledstvijah-globalnogo-izmenenija-klimata-na-zemle>).*

Today, the main topic of discussion between physicists (as well as philosophers of Antiquity) is the "hypothesis" of existence of a unified field, which is the basis of all phenomena and fundamental interactions of the material world. But unlike the antique scientists who used more ancient knowledge of this unified field, many of today's scientists, being under control of the system, wander in the darkness of "materialism". Perhaps, progressive scientists of the world should put

themselves into the position of Observer above the existing problem and ponder the question, why so much human energy, attention, nerves and resources are focused in this restrictive framework. From where did originally such a thought-program, such zealous aspiration *to assign by all means to the matter the central role in any "Grand Unification Theory"* to matter and thereby to strengthen the new "acknowledgment" of materialism in the consciousness of present and future generations emerge? Who benefits from guiding the mankind in that direction of thinking and focusing so much attention *on the priority of material nature*, first of all strengthening this program in the human consciousness? Why, in very ancient times the knowledge about the Unified field as a unified collective material Mind, World Mind, unified field of Consciousness, "cosmic Thought basis", "Prince of this world" and so on was presented as an antipode to the spiritual world? Why, anyhow, was it mentioned that the human consciousness (his own septon field where thoughts arise) belongs to the animal nature and is a part of the unified Animal Mind of the Universe? Why were the deepest feelings were considered to be the unique human perception (process without the participation of septon field of consciousness!), which connected the Personality with the soul (the spiritual nature), with the spiritual world of an exclusive creative force, offering to the Personality an absolute freedom from the power of the Animal nature?


Nowadays many physicists spend their life time, making tremendous efforts to create new materialistic theories, struggle with the insoluble dilemma of creation of "The theory of everything", with searching of a Unified field equation which would unite *only four funda-*



mental interactions known nowadays: gravitational, electromagnetic, weak and strong. But what lies at the basis of these fields, and why is the ancient rule "change conditions and everything will change" also applicable to them? Mentioned force fields known nowadays are not a limit of the existing interactions in nature. It is enough to glance at the list of unsolved problems of modern science on each of its fundamental directions to understand how little people know about themselves, about the world and its structure. There is no need even to go deep into the complexity of cosmic processes, but just try to answer simple questions, what is human thought? How is it formed and what does it consist of? What lies at the basis of phenomena related to it? What are the conscious and subconscious fields composed of? What power is hidden in the human attention, and why is it an action trigger? How does actually the process of information transmission in the world

invisible to the human eye take place? After all, the basis of all these processes is pure physics. The PRIMORDIAL ALLATRA PHYSICS not only answers these questions, but also gives an absolute understanding of who a human being is and what the primordial sense of human existence consists in.

Septon field (the Animal Mind) - is the highest by the organization self-conscious intelligent structure of matter, which perceives itself as "living in the real world." It was mentioned since the most ancient times as the all-pervading force which originates in the material world, as its Higher intelligence, as a kind of pervasive, dominating in this material world Principle (the Animal mind) which is opposite in functions to the spiritual world. And the human consciousness was mentioned as a material part of this intelligent structure, which was opposed to the non-material part of the person – to the spiritual nature (the soul).

 Since ancient times in human society there was a knowledge of the existence of power (demonic essence) which was intelligent and to a great extent exceeded human abilities in the material world, but it was insignificant compared to the forces of the spiritual world. In extreme antiquity people knew that nature isn't a dead object. Along with the concepts of the main sense of human existence – the spiritual life, the soul, its independence from the body, the rebirth of the soul, people knew also about life and the material world order; they knew that every natural phenomenon is produced by the force, which is inherent to the entire matter (Note: by septon field). They called some of its manifestations "spirits" (the invisible forces of the world) and they had an understanding that all surrounding objects of nature have supernatural doubles (Note: any object in a material world has its own septon field).

For example, people of Melanesia and Polynesia knew about all-pervading spirit "mana" – a supernatural force (latent or potential) which is not perceived sensually, brings mainly evil for a person and only at first sight seems good. Mana as a force can be individually inherent to some spirits, dead, and also people (generally to sorcerers, priests, leaders), animals, objects. For Melanesians mana is a mysterious and active force, qualitatively different from physical forces, and acting randomly. For example, they believed that: the head of the clan has mana; magic rituals of white people (missionaries) who came to their lands possess stronger mana than mana of local rituals; the British conquered the Maori people because their mana was stronger; even latrines have mana being "receivers of force" which the human bodies

and their excretions possess. Moreover, this force was associated with the "shadow" of the soul (Note: *subpersonality*), fated to disappear with the death of its carrier, whether it passes to another person or transforms into a totem. It is interesting that in other parts of the world echoes of this knowledge have also remained. There were other nations that knew from ancient times about the existence of such a force. For example, in some tribes of American Indians, this force is known as Wakan (Wakanda, in the Dakota Sioux tribes), Orenda (in Iroquois; they believed, for example, that there is Orenda in tempest, Orenda takes possession of man when he is in a rage), pokunt (in the Shoshone tribes), manitou (in the Algonquian tribes), eki (in Pongwe in Africa), megbe (in African Pygmies - Bambuti) etc.. All these concepts express the same, as mana of Melanesians.

Till now in the modern world the component of compound words "-man" pointing to obsession by any action, phenomenon, etc. is used. In Greek, there is a word «mania» - "madness, exaltation, passion." In Slavic languages the word "manna" means "temptation, deception, lure, something misleading, sorcery". It is related to the Russian words "маять", "маю", "намаять" (to the Russian words "to languish") (which have such meanings as: "torture; to let know by a sign; to deceive; mirage, roundabout way) as well as the ancient Hindu word "māyā" - "transformation, magic power, deception, illusion" ("dur-māyū ś" - "applying evil spells"). The Slavs since ancient times have also preserved a mythological character Mara - a malicious spirit that causes harm to people. In Sanskrit «māra» literally means - "killing", "destroying". In Buddhist mythology, Mara - is a spirit that personifies evil and all that leads to death of living beings. The huge number of evil spirits representing negative emotions of a person (desire, hatred, doubt and so on) is subordinated to it. Its main function is considered to be the creation of obstacles to people following the spiritual way, seeking enlightenment, their distraction from inner spiritual life by the external earthly outer illusory attraction, giving lie as truth, negative as positive. Its mission - to lead their spiritual life to death. In the mythology of Buddhism Mara - is a demon-tempter, who tried to seduce Gautama Buddha by different earthly visions and desires. In Chinese mythology, there is a character Man - a monstrous serpent (dragon), who was considered the greatest snake, the king of snakes.

Different ancient nations had an understanding that all things in the world were endowed with a force which doesn't belong to these things. Such natural phenomena as, for example, wind, rain or objects - rivers, trees, stones and so on were said to have "their own spirit". It was considered that all-pervading force is present everywhere in the Cosmos, but appears only in extraordinary phenomena, for example, in the activity of the Sun and Moon, in times of strong earthquakes, hurricanes, thunder, etc., in creatures, and also in people who were obsessed by this force (sorcerers, etc.). The latter manipulated manna to get material benefits (note, different from spiritual!), momentary desires, for example, such as recovery from illness, good weather, success in battle, achievement of wealth and power. This force formed the basis of magical actions. It was thought that such a man (sorcerer) can communicate with the spirits of nature and dead people (ghosts) in the process of divination, magic, sorcery. However, there was also an understanding that no one possesses that power himself: everything he did, using this force, he did by means of spirits belonging to this force which, eventually, started controlling him as a slave. Such a person, succumbing to these temporary, illusory temptations of the Animal mind paid for his illusions and games with its force disproportionately more - his real vital force and true freedom. It was considered the way of a doomed to Death. (Note: see more in the book "AllatRa").



However all this knowledge about the material world, hostile for person, and the force which this temporary world was endowed with, was secondary on the background of the basic concept of the spiritual world and a person's connection with this higher world. It existed as a supplement to the explanation of what is the sense of human life is, and what the reasons of human temporary existence and suffering in this material world are. That means that this knowledge was given in addition to the general spiritual knowledge, wide disclosing of the meaning and importance of the spiritual nature in a human – the soul. From extreme antiquity people knew that the soul exists out of body (during lifetime and after the death of body), has the ability to move to new bodies and is not the exclusive property of a person, and is only a force which is capable to bring a person beyond the limits of the material world to reunite with the eternal and initial spiritual world. People had an understanding, that the Personality (not the body but as whom a person feels inside) can during the life, thanks to the merger with the soul go to the spiritual world, thereby acquiring an absolute freedom from the power of the Animal nature of the material world. This is the main sense of human life. The rest, as it was pointed out by ancient people, whatever the person reaches in the material world during the life, everything is temporary, illusory, mortal, and for all the actions the Personality will bear the responsibility after the death of body.

In fact, ancient Greeks called priests of the Medes and Persians ("magush, mugh") by the word "magician" (in Latin – "magi", in Greek – "magos"). It is assumed that this word goes back to the Proto-Indo-European root «mugh» - «to have the power to be able to», many European words denoting the concept of I "I can", "I have opportunity" are formed from this root. In ancient times gifted people who possessed a force were referred to as "those having an opportunity" (Note: refer to the book "AllatRa"). Some possessed it from birth, and some acquired it in the course of development of special techniques. In essence, it is the force of Allat. But the more force was in a person the more active his or her septon field became. Force is force, here everything depended on what the person chose, where he or she invested their attention in, as they said in ancient times – either his living flame (the Soul, his deepest feelings) or the curling smoke of the illusory world (thoughts, emotions from the Animal nature).

If man focused the most part of his attention on the septon field, i.e. on the desires (thoughts) of material life, then as a result he got magic and catastrophic consequences for his Personality. If man directed this force to the spiritual self-development, he reached the main goal of his life – his spiritual transformation and inner freedom from the material world, from the dominating influence of septon field.

At the heart of these changes and transformations of a person there is pure physics. According to the ancient primordial knowledge, the force of the attention – is an enormous vital force in which the creating force of Allat is concentrated. It is thanks to the power of attention that the Personality exercises the freedom of choice and forms his or her afterlife destiny by every moment of his or her life. Where person draws his attention (inner potential), that becomes his reality. Any attempts to draw attention to the material world, its desires and delusions, subsequently always form the reality of suffering extended in time. That is why in the spiritual treatises it was said that it's important for man to focus his attention permanently on his spiritual inner world. Only in this case, the person will invest his precious inner potential to the formation of life after death, and not spend it on the formation of death during the life (subpersonalities). In the language of

the PRIMORDIAL ALLATRA PHYSICS if a person spends no more than 10% of power of his attention to the material life and 90% of the attention focuses on the state of domination of spiritual life in his inner world then this leads to the spiritual transformation of that person. Otherwise, when 90% of attention are paid to material life, desires and thoughts of the Animal nature and 10% – to care about the spiritual condition, then during the lifetime a person forms for himself a subpersonality. It is not philosophy or religion, but the fundamental laws of physics.

All these spiritual knowledge in one or another form existed in human society initially and it is confirmed by ethnographic researches of different nations of the world. It is interesting that among those nations, which nowadays some scientists of consumer society call "primitive communities", magic practices, in contrast to the spiritual life, are developed less (they receive less attention), than among those nations which have already established the Institute of religion and politics. The latter has magic on the leading place as the secret knowledge of priests and those in power (leaders). Thus despite the fact that magic is found everywhere, it has the prevailing influence in "developed societies". The obvious fact: till now magic and occultism are the core of the majority of the most developed priestly and political systems of the modern world and are at the heart of any global world reorganization designed on the kitchen of the world politics. It is enough to wonder why priests belonging to different religious systems, using all sorts of tools, force millions of believers to spend their inner potential on "the smoking mirrors", to ask "the supreme forces" for things that are temporary and illusory for a human being, e.g. solution of any material problems, health, good harvest, victories in wars and so on. What stands behind it? Who controls the consciousness of priests when they motivate crowds to ask about the earthly concerns? After all, ideally they should preach to people about the soul and the spiritual vigil in this temporary world. What is the sense of the majority of various religious rites and how does that differ from the magical rites of aboriginals who use the force of mana?

Spiritual life implies the only request – for the spiritual salvation of the Personality, salvation thanks to his or her soul. This request is made by person in his inner world without external intermediaries. In the history of religions of different times there were enough people who awoke spiritually and understood all the falsity and deception of the system, all that mirror distortion of the initial Truth. Such people, usually, whatever position in the religion they held, after realizing it, moved far away from the system of power and dedicated more time to the real spiritual improvement.

*In ancient India, it was considered that the basis of magic are the supernatural forces which were connected with the force of world illusion (maya). Since ancient times, the Hindus had the concept of the "maya" as a designation of world illusion, the "overturning", transforming principle, determining the existence of the material world. There was the whole doctrine about "maya" which was connected with the word "magic" (the Sanskrit word "maya" – sorcery, deception, mystification, illusiveness). It was based on the Law of Similarity (the similar generates similar), on the possibility of person's **conscious** impact on the elements of the surrounding world. It was believed that using maya god brings to the imaginary, illusory life (which is perceived only by **consciousness**) the whole world of objects to which a person not possessing a genuine knowledge, is inclined to attribute the status of "reality."*



*At the heart of magic always lies the desire for power. The famous philosopher of antiquity Proclus wrote about using of the supernatural forces that are the basis of magic by priests of antiquity: "Ancient priests, taking into account that the natural things have some affinity and sympathy of one thing to another, and between manifested things and occult forces, and having discovered that all things are contained in everything, created a sacred science on the basis of this mutual sympathy and similarity... and used both the celestial and the earthly essences in occult purposes, by means of which, through a certain similarity, **they relegated the divine forces in this lowest dwelling**".*

The principle of the Animal mind "divide and rule" repeated fractally in human consumer society. In history it is possible to track clearly the periods of active impact of the unified septon field on human society in different periods of time through human consciousness controlled by it. Exactly during these periods we can observe a splash of activity of people (its conductors), connected with the power (magic, occultism) in the human society, which distorted the spiritual knowledge of the previous generations and introduced the attitudes favorable to the system of Animal mind based on fear, hatred, servility to young generations of mankind.

*Ancient spiritual legends said that the primordial spiritual knowledge make people truly free, independent of the illusions of the material world, reveal inner spiritual force. However, when in human society religions as institutes of the priestly power started to be formed, they began to rebuild the primordial spiritual knowledge into a form convenient for manipulating people. If we trace the history of the different religions existing at various times in human society, we will see that every religion that gained mass popularity on the basis of grains of the spiritual knowledge was subsequently split into different movements due to the problem of **dominating and power** in the religious community. There was a breaking of power within the family of descendants of priests that generated dogmatic divergences of different sort inside of religious movement. Differences in the interpretation of the nature of power took a form of various doctrines of supreme power, in somebody's "own" understanding of spiritual knowledge claimed to be truth. It is an indicator of how the material stereotyped thinking controlled by septon field acts.*

If we compare the institutions of religion and politics of different times and nations, it is possible to identify the same stereotypes of struggle for power and influence inherent in any complex system of organization of matter. Today it is possible to observe in its entirety the result of the work of the unified septon field of the stationary Po particles and their effects on the consciousness of people as a part of this field. This is a multiple breaking of a human society into small pieces on the basis of any signs: starting with nationality, religion, social status of a person, the presence of territorial borders and ending with all sorts of institutions of power, hierarchies and so on. "Divide and rule" – this is a reflection of what is happening in people's minds and who actually manipulates them and for what purposes.

Knowing the foundations of the PRIMORDIAL ALLATRA PHYSICS, it is possible to understand that consciousness with its multiple thoughts is only the septon field of the Animal nature which easily manipulates man, taking his potential for its life. However, due to the spiritual development of a person a completely different perception opens, independent of the septon field, that allows a person to get free from the dominance of the septon field and reach his genuine source of forces - the soul. As ancient people wrote, having lost the primordial knowledge over time, having lost the keys of the access to their inexhaustible spiritual source, people started to serve mirrors, seduced by the game of their illusions.

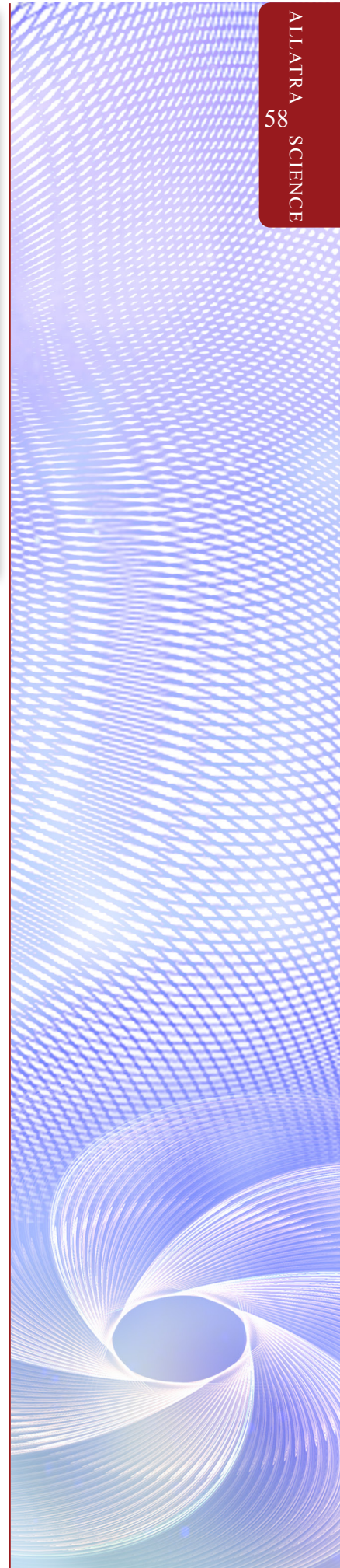
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REAL (STATIONARY) PO PARTICLE

is a fundamental "indivisible particle" (or rather non-material field structure) located in the center of the dimensional cube of ezoosmic cell. The real Po particle represents a high concentration of septons in the smallest area of space – in the center of ezoosmic cell. It is called "real" or "stationary" due to the uniqueness of its position, functions and characteristics unlike PHANTOM PO PARTICLES which make up all elementary particles in the Universe). Real Po particle is the only *basic fundamental "particle" of the material world*, which is constantly and permanently in a stationary (relatively motionless) state in its ezoosmic cell. In each ezoosmic cell there is one real Po particle. There is no one ezoosmic cell which does not have this particle. Each real Po particle within its ezoosmic cell performs the "leading" role in the "correction" of the movement and partial redistribution of inner potential of phantom Po particles passing through this

cell. It reads the information and withdraws usually 10% of the inner potential from the passing phantom Po particle. Moreover, the real Po particle receives the entire information about the elementary particle and its movement, reading it from the first (head) phantom Po particle which passes through this cell and is a part of that elementary particle.

This Po particle is called "real" because exactly this stationary "particle" (*in the meaning of a non-material field structure*) stably exists in the material world, unlike all its temporary objects and phenomena which consist of phantom Po particles. It is "the information redistributor" and the "absorber" of energy (the force of Allat due to which all the material world exists). **It is important to note, that never, under any conditions and circumstances the real Po particle can collide with the phantom Po particle.** Even if there is a collision of two phantom Po particles in



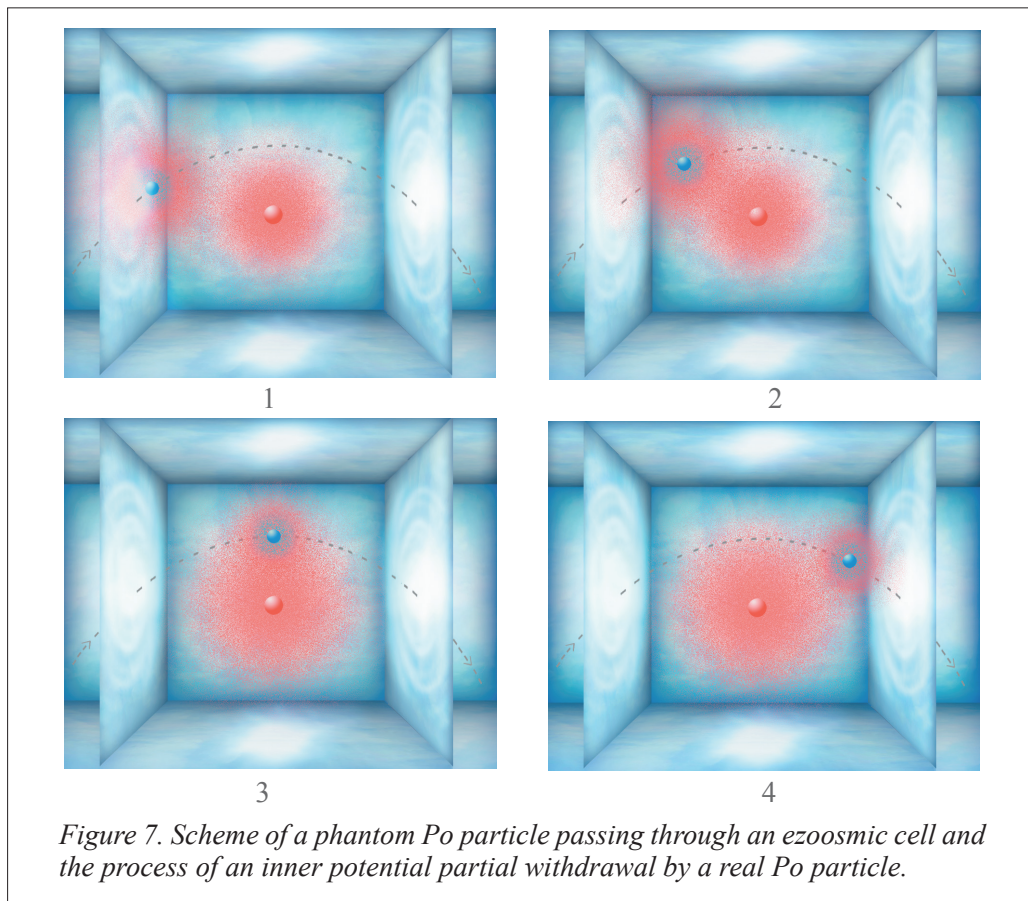


Figure 7. Scheme of a phantom Po particle passing through an ezoosmic cell and the process of an inner potential partial withdrawal by a real Po particle.

ezoosmic cell, then real Po particle only absorbs the emission of energy from this collision of two particles and redistributes their information, but remains steady itself –, i.e. relatively immobile in the center of ezoosmic cell. **Nothing in this world, no its destructive force can shake and break the system of real (stationary) Po particles which are in a strictly predetermined position in ezoosmic grid.**

A simple example. The destructive force of the thermonuclear explosion is based on use of energy of nuclear fusion reaction (for example, synthesis of one atomic nucleus of helium and two atomic nuclei of deuterium) where a tremendous amount of energy is released. But if in the three-dimensional visible world as a result of this synthesis it is possible to observe the explosion of an enormous power, in advanced quantum physics at the level of primary processes occur-

ring in ezoosmic grid, in particular in each corresponding ezoosmic cell, we can observe only the process of collision of two phantom Po particles, the more active redistribution of their inner potential, i.e. the transmission of more energy and information to real Po particle and further *redistribution of the received energy and information onto the system of real Po particles in ezoosmic grid.*

Associatively such a process can be compared to how the observer sees a very realistic explosion with devastating consequences on computer screen. But at the level of pixels of the matrix of the monitor there will be at the same time only a systematic, programmed transmission of the information about the picture and the redistribution of energy thanks to which this picture will be visible on the screen for the observer. *(Note: a more detailed example of pixels see in the book*


"AllatRa", p.220). This associative example clearly shows the difference between visible and invisible processes that make the essence of the same phenomenon.


and how it is redistributed within the material world.

There are certain regularities concerning real (stationary) Po particle:

So at the level of the microcosm – real Po particles and phantom Po particles in the ezoosmic grid, only a transmission of energy and information occurs, and at the level of objects of the macrocosm which consist of phantom Po particles, – both visible and invisible changes. Knowing the functions of phantom and stationary Po particles and their operation, it is possible to understand where the energy appears from and disappears to

- Real Po particle is stable, it never disappears anywhere until the material world exists.
- Quantity of real Po particles in the Universe is always constant because the real Po particles are an integral part of ezoosmic grid.
- Real Po particle can't be split or destroyed by any force coming from the material world system.

 *A simple example with a billiard ball. What does a person observe while playing billiard? His attention is focused on the ball, its movement, its deceleration on the cloth of a billiard table and its stop. But where does the energy which forces the ball to move and participate in the subsequent actions appear from and where then does it disappear, forcing the ball to stop? All that the player can logically "track", are the following phases: emergence of the thought – transmission of impulse to the hand muscle – transmission of energy to the cue – transmission of energy from the cue to the ball – the movement of the ball – its deceleration, stop, owing to friction with the cloth and attenuation of the transmitted impulse. And if the player is also an adherent of classical physics, then he will consider the law of conservation of mechanical energy, the law of momentum conservation, molecular interactions, the impact of gravitational forces and so on. But what is really happening in terms of quantum physics? What in the invisible world contributes to the emergence of a thought itself, and how after the attenuation of an impulse of the object of the visible world (ball) does the absorption and redistribution of energy and information in the quantum world occur? Exactly these questions are answered by the PRIMORDIAL ALLATRA PHYSICS which provides detailed knowledge about ezoosmic grid, septon field, about functioning of real and phantom Po particles.*

 *In one of the greatest Ancient Chinese philosophical treatises "Guanzi" comprising the texts of different authors (IV-III centuries BC), the substantive "fullness" and orderliness of the universum is emphasized with the definition of space and time by the combination of words "Chzhou he" ("time and [spatial] coherence"). It is interesting that the hieroglyph "he" (connection) means "six connections" ("liuhe") - a formula of mutual coordination of transformations ("hua") of world substances in space ("four parts of the world, top and bottom"). The concept of "chzhou he" is defined herein as a certain "net" catching Heaven and Earth, which in their turn are a "net" for the "darkness of things."*

References: Лисевич И.С. Литературная мысль Китая на рубеже древности и средних веков. [Lisevich I.S. Chinese Literary Thought at the Boundary Between Ancient Times and Middle Ages] Moscow: Nauka, 1979 [In Russian]; Кобзев А.И. Учение Ван Янмина и классическая китайская философия. [Kobzev A.I., The teaching of Wang Yangming and classical Chinese philosophy] Moscow: Nauka, 1983 [In Russian]; Еремеев В.Е. О древнекитайской пространственно-временной модели мира // 20-я НК ОГК. Ч. 1. [Evremeev, V.E. On ancient Chinese time and space model of the world// XX Scientific conference "Society and state in China" Part 1] Moscow, 1989 [In Russian]; Китайская философия. Энциклопедический словарь. Глав. ред. Титаренко М.Л. [Chinese Philosophy. Encyclopedic Dictionary/ head editor – M.L. Titarenko] Moscow, 2009 [In Russian].


PHANTOM PO PARTICLE

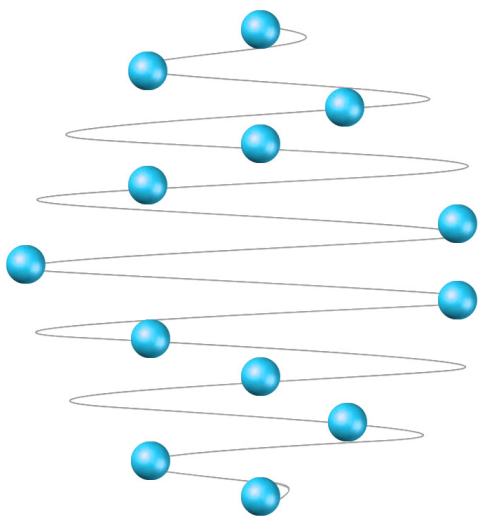
is an energy cluster consisting of septons, around which there is a modest rarefied septon field. Phantom Po particle has inner potential (it is its carrier), renewed in the process of ezoosmos. According to its inner potential, phantom Po particle has its proportionality. The unique power phantom Po particle - Allat - is the smallest phantom Po particle (*Note: for more details see further in the report*).

Phantom Po particle is an ordered structure, which is in constant spiral movement. It can exist only in the bound state with other phantom Po particles which in conglomeration form primary manifestations of matter. Because of its unique functions it is a kind of phantom (ghost) for the material world. Considering that all matter consists of phantom Po particles, this gives it a characteristic of an illusory structure and form of existence dependent on the process of ezoosmos (filling of an inner potential).

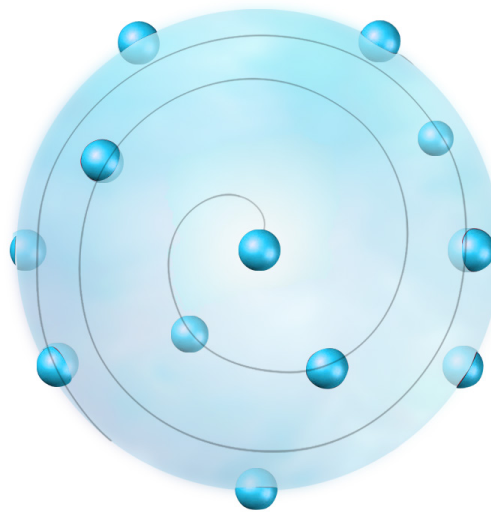
Phantom Po particles are non-material formations. But in a chain (series connection) of each other, built according to the information program in a certain quantity and sequence, at a certain distance from each other, they form the basis of structure of any matter, determine its variety and properties, thanks to their inner potential (energy and information). Phantom Po particle is what all elementary particles (photon, electron, neutrino, etc.) as well as particles-carriers of interactions consist of in their basis. This is the primary manifestation of matter in this world.

What is the energy of the inner state of a microcosm object? ***It is a combination of inner potentials (energy and information) of phantom Po particles that constitute an object of the microcosm. This means that the energy of the inner state of an elementary particle is equal to the sum of inner potentials of phantom Po particles which such an elementary particle consists of.***

 *At this stage of development of scientific and technical progress the modern science has certain opportunities to explore micro-objects and their interactions at the subatomic level. But these technical possibilities are limited (as they allow to observe only within the 3-dimensional world) and leave a lot to be desired. Figuratively speaking it is now similar to how an observer tries to explore a diffused spot of visible light in a fog, while being at a distance of several kilometers from its source, evaluate it by phenomena visible to his eyes, its integrity (indivisibility). However, this supposition won't correspond to the reality, since when approaching this luminous object (and in the microcosm it is necessary to take into account huge distances between micro-object components), the observer will see already several luminous objects instead of the diffused spot. And approaching closer to the object, in the best case, he will distinguish that it is, for example, a light from light bulbs attached to an electric power line poles which are located in a row at a distance of several meters from each other. If we apply that to the processes occurring in the microcosm - it is that maximum which the observer of the three-dimensional world can see being in the system of the material world, being himself a part of this system. The question like what does each bulb consist of and where does electricity come from (if we figuratively compare it to the phantom Po particles which make up a micro-object) will remain open for him.*



Side view of electron



Top view of electron

Figure 8. Spatial arrangement of 13 phantom Po particles which make up electron. The line shows the trajectory of movement of phantom Po particle in space.

Phantom particle (Greek phantasma – a ghost) or "illusory" Po particle is called so because of its *main property and ability to instantly disappear "nowhere" and reappear in the space of ezoosmic grid, according to a new information program*. In ancient treatises it was figuratively compared to a steam appearing for a while and instantly disappearing. That why from ancient times there are mentions that all life of man, matter, Universe – is illusory.

of movement (from the Latin word discretus separated, intermittent).

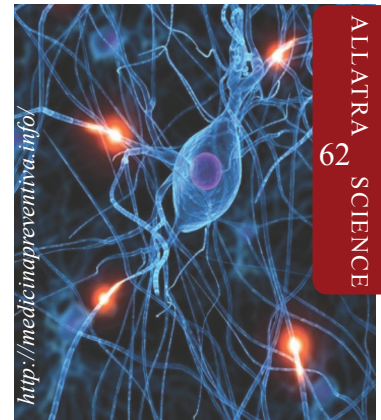
Phantom Po particle exists only in conjunction with other phantom Po particles, forming together matter at different levels of its organization. Phantom Po particle doesn't exist separately. If we remove even one phantom Po particle from the structure of an elementary particle, then it results in either a destruction, or transformation of this elementary particle. For example, if we remove

“Life cannot be temporary, temporary can be only existence”.

Rigden Jappo

A phantom Po particle being in conjunction with other phantom Po particles permanently moves along their common *spiral trajectory* from the moment of its appearance until its disappearance in an ezoosmic membrane. **Phantom Po particle possesses an important property – to penetrate through ezoosmic membranes and participate in the process of ezoosmos.** Due to this property all matter has a discrete character

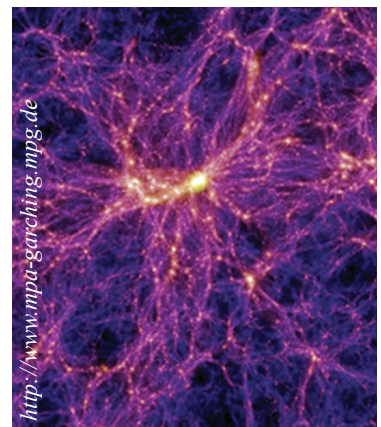
one Po particle from a photon, which consists of 3 phantom Po particles (*Note: for more details about photon see further in the report*), then the following process will take place: the given phantom Po particle will instantly disappear in the ezoosmic membrane, and, following it, the two remaining phantom Po particles will disappear in the ezoosmic membrane as well, and as a result this photon will cease to exist.



Brain cells



Map of Internet web



Simulation of joint evolution of quasars, galaxies and their large-scale distribution




Orion's Belt

There are certain regularities concerning phantom Po particles:

Phantom Po particle has inner potential (it is its carrier), renewed in the process of ezoosmos.

- ❖ According to its inner potential, a phantom Po particle has its proportionality. The smallest phantom Po particle is the unique power phantom Po particle – Allat.
- ❖ Phantom Po particle is unstable, it can disappear from the material world and again appear in it with a renewed inner potential (energy and information program).
- ❖ With the destruction of micro-object (or its transformation) phantom Po particle, being a part of it, can irrevocably disappear in ezoosmic membrane. And at its creation – it can arise from ezoosmic membrane in the process of ezoosmos.
- ❖ Phantom Po particle exists only in conjunction with other phantom Po particles.
- ❖ All elementary particles consist of certain quantity of phantom Po particles.
- ❖ The quantity of phantom Po particles in the Universe is not constant, but it is much less than that of real (stationary) Po particles.

 *In sacred legends, myths and religious doctrines of different nations of the world numerous mentions of the illusory nature of this world have been preserved. We will give just some examples.*

Indians of North America considered smoke to be a symbol of the fleetingness of life, a means of communication with gods. The pillar of the smoke rising from an aperture of a wigwam or a yurt symbolized a world axis, a salvatory path from time and space into the eternity and infinity.

References: Тресиддер Джек. Словарь символов. [Jack Tresidder, Dictionary of Symbols] Moscow: Fair-PRESS, 2001 [In Russian].

"Come now, you who say, "Today or tomorrow we will go to such and such a city, and spend a year there and engage in business and make a profit." Yet, you who do not know what will happen tomorrow: what is your life in fact? Your life is just a vapor that appears for a little while and then vanishes. Instead, you ought to say, "If the Lord wills, we will live and also do this or that." But as it is, you boast in your arrogance; all such boasting is evil. Therefore, to one who knows the right thing to do and does not do it, to him it is sin."

References: Bible. New Testament. Epistle of James. Chapter 4. Verse 13-17.

"Know that of the transient there is no endurance, and of the eternal there is no cessation. This has verily been observed by the seers of the truth, after studying the nature of both."

References: Bhagavadgita. Chapter 2 Verse 16.

In Islamic tradition all the material world surrounding a person until his death is defined by the word "Dunya". From the moment of death for each person this world comes to an end and he enters the next world (akhira). Dunya is finite and akhira is eternal. Therefore, each person, living in this world, should think about it and try to deserve Allah's mercy both in this and in the next world. In the Koran Allah says about imaginary delights of this world, possession of which is the aim of infidels.

References: Исламский энциклопедический словарь А. Али-заде [Islamic Encyclopedic Dictionary. A. Ali-zade] Moscow: Ansar, 2007 [In Russian].

Ossetians (one of indigenous peoples of the Caucasus) believed that there was a world of reality, the true and unchanging "æuæz dune" (translated from the Ossetian language as the "real world") where the soul of the deceased went, and the earthly world "mænz dune" (translated from the Ossetian language as the "illusory world"), the world of the imaginary, illusive and false. The future was perceived as a transition to another existence, to the world of true reality. Earthly existence possessed less value than the life on the other side of existence. The present appeared as a mere illusory moment which could only be evaluated from the position of transcendent eternity. In the Ossetian religious culture even today there is an understanding of differences between the illusive world (mænz dune) and the true and unaltered world (æuæz dune). The concept of soul is disconnected with the most ancient ideas of existence of man and historically is one of the first concepts. In the Eurasian region in epoch of the early civilizations the idea of immortality of man's soul and relocation of his spirit into the other world was embedded in the cosmological scheme of the structure of the Universe and played a significant role in its organization.

References: Цораев З.У. Идея бессмертия души в осетинской религиозной культуре. [Tsoraev Z.U. The idea of soul immortality in Ossetian religious culture] //III All-Russian Miller readings (Materials of scientific conference, October, 4-5, 2012): Collection of articles; Northern-Ossetian Institute of the Humanities and Social Studies after V.I.Abaev. Vladikavkaz, 2012 [In Russian].

In Buddhist doctrine there are many interesting concepts which, unfortunately, today are already religious ideological adaptations of more ancient knowledge known to various nations of the world. For example, the doctrine about impermanence and variability is common to the Upanishads (ancient Hindu religious and philosophical treatises) and to early Buddhism. The doctrine of the universal impermanence "anitya" (the word can be translated as "impermanent, not eternal, fragile, transitory"; sanskrit अनित्य anitya; Chinese 無常 wu-chan, Japanese 無常, mudzē) says that everything in the world is in constant motion and nothing is constant, including stars, planets, etc. Anitya is the basic principle of interdependent origin of phenomena. It manifests itself in human life in the form of growth and aging, a series of rebirths, in the form of suffering, etc. Since all phenomena of the world are impermanent, attachment to them is futile and leads to suffering. The true completion of anitya is nirvana - the only reality which does not experience changes, decay or death. The understanding that everything in life is impermanent, subject to change, decays and disappears, is the first stage of enlightenment. Deep penetration into impermanence, emergence and disappearance of any object of contemplation, and cultivation of detachment in oneself is a step on the Way of liberation (the first step of which is a sotāpanna, "one who entered the stream").

Another modification of the doctrine "anitya" is the Buddhist ontological doctrine about elements and momentariness of life Ksanikavada (Sanskrit क्षणिकवाद, "theory of momentariness"). "Ksana" means a moment (figuratively compared to the time in which it is possible to click fingers). Ksana makes up the duration of flash of one Dharma (considered within the meaning of the element of being, which constitutes all that exists). According to this doctrine, the ultimate reality consists of single moments – Dharmas. Dharmas ("possessing signs"; from the Sanskrit root dhri that means "to hold, to maintain") are noumenal, multiple, dynamic, atomic (indecomposable) substrata-carriers of elements into which the stream of existence falls apart. Each Dharma carries only one specific sign (feature).



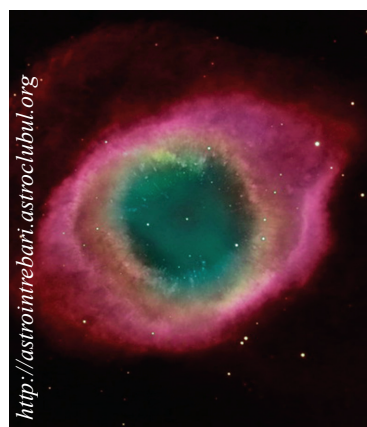
Tree trunk slice (64x) under a microscope



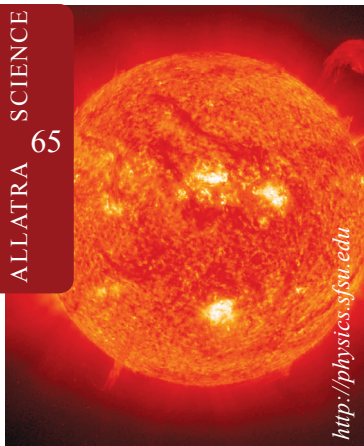
Human eye



Richat Structure, geological formation in the west of Mauritania (40 km in diameter)



Helix Nebula



<http://physics.sfsu.edu>

The Sun



<http://animalworld.com.ua/>

Raindrop on a butterfly wing



<http://www.astrotime.ru>

Surface of Jupiter



<http://animalworld.com.ua/>

Dinosaur bone

Dharmas in Eastern philosophy are the particles that flash and fade away instantly, instant manifestations from an unknown source, constituting a constantly changing stream (flow) and operating under specific laws of their own nature. Every moment Dharmas flash and disappear, forming a new "pattern" (sign), new combination determined by law of the interdependent penetration (a prativityasamutpada – coordination of [elements-Dharmas]; the law of causality, co-dependent origination of elements, when one element is always after another and before another without an essential influence on each other) and a karma. Dharmas are in constant motion in the flow of formation and destruction. Each element exists one moment (ksana), and becomes like a point in time and space. The material world is a never-ending flow of Dharmas which inherently are simple, indivisible.

Human perception of the world is similar to perception of frames on a moving film strip which replace each other so quickly that a person has a full illusion of stable and lasting "reality" – pictures of the surrounding world and people living in it. It changes so quickly that the process of transition to the new contents is unobservable. Actually neither matter, nor substance exist, there is only a flow of successive Dharmas (separate elements). And this flow isn't chaotic, unconditional process: each element appears in accordance with the law of dependent origination. It is emphasized that what is perceived by an individual as "I" - is just an illusion, "suggested" to the person by skandhas (combinations of Dharmas by one principle of psychophysical activity). As a consequence, this, in its turn, entails suffering and misery experienced by such "I".

References: Жуковская Н.Л., Корнев В.И. Буддизм как культурно-исторический феномен. Словарь. [Zhukovskaya, N. L., Kornev, V.I. Budism as cultural and historical phenomena. Dictionary.] Moscow: Respublika, 1996 [In Russian]; Канаева Н. А. Кианикавада//Буддизм как культурно-исторический феномен. Словарь. [Kanaeva, N.A. Kshanikavada/ Budism as cultural and historical phenomena. Dictionary.] Moscow: Respublika, 1996 [In Russian]; Лысенко В. Г., Терентьев А. А., Шохин В. К. Ранняя буддийская философия. Философия джайнизма. [Lysenko, V.G., Terentiev, A.A., Shohin, V. K., Early Buddhist philosophy. Jainism philosophy] Moscow: Vostochnaya literatura, 1994 [In Russian]; Философия: Энциклопедический словарь/ глав. ред. Ивин А.А. [Philosophy: Encyclopedic Dictionary/ head editor – A.A. Ivin] Moscow, Gardariki, 2004 [In Russian]; Философская Энциклопедия. В 5-х т./глав. ред. Ф. В. Константинов. [Philosophical Encyclopedia in 5 volumes/ head editor – F.V.Konstantinov] Moscow: Soviet encyclopedia, 1960–1970 [In Russian].

MAIN DIFFERENCES BETWEEN REAL AND PHANTOM PO PARTICLES

Why phantom and real particles are called equally – "Po particles"? The name "Po particle" (the "particle" consisting of Po) is taken from the Antiquity as a symbol of the *smallest unit of the material world manifested due to the forces of Allat through the septon field*. Phantom Po particle and real Po particle – are absolutely different in characteristics and functions particles which are united only by the common component of the material world – septon. Their common name "Po" is not only an indicator of the smallest unit ("particle") of the material world, but also a homage to the primordial knowledge (in extreme antiquity in one of the first legends it

was said that the whole world is created from Po grains).


Phantom Po particles and real Po particles *cardinally differ from each other in functions and mission*. Real (stationary) Po particles form the basis of the invisible world of matter, the unified septon field which has a major impact on the visible world (including the threedimensional space) and exercise the general control of the world of matter. And phantom Po particles form the basis of the visible world of matter and are, thanks to the concentrated clot of septons, carriers of *inner potential, i.e. energy and information*.

In ancient times the difference between particles was explained by associative examples of fish (figurative comparison with real Po particle) and bird (figurative comparison with phantom Po particle). The element of fish is water. The fish is not visible even in a small lake, but it exists there.

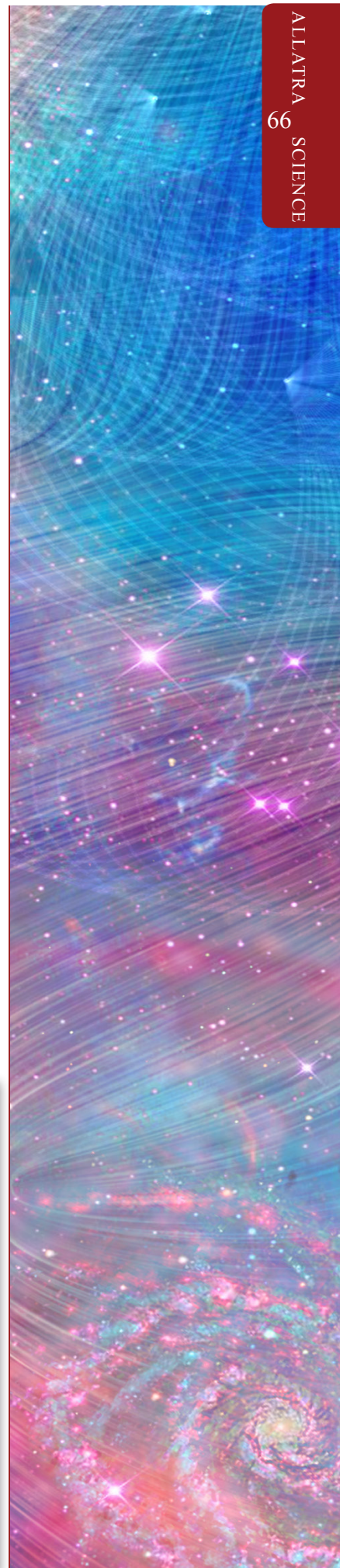
The lake is limited by coasts, therefore the fish lives only within its limits (comparison with ezoosmic cell). The element of bird is the sky. Unlike the fish that doesn't leave the lake, the bird can fly to different lakes (figurative comparison with the continuous movement of phantom Po particle).

MAIN DIFFERENCES BETWEEN REAL AND PHANTOM PO PARTICLES

REAL PO PARTILCES	PHANTOM PO PARTICLES
<ul style="list-style-type: none"> • Form the invisible world of matter. 	<ul style="list-style-type: none"> ❖ Form the visible world of matter.
<ul style="list-style-type: none"> • Each particle resides separately in its ezoosmic cell. It is connected with other particles only through their common septon field. 	<ul style="list-style-type: none"> ❖ Phantom Po particle can not exist separately. It disappears immediately in ezoosmic membrane. It exists only in conjunction with other Po particles forming elementary particles consisting of three or more phantom Po particles.
<ul style="list-style-type: none"> • Motionless (stationary), constantly reside in their ezoosmic cell. 	<ul style="list-style-type: none"> ❖ Mobile, constantly move along a spiral trajectory.
<ul style="list-style-type: none"> • Exercise a partial withdrawal of energy and reading the information from the phantom Po particles passing through a cell and redistribution of the received potential on the system of real Po particles – septon field. 	<ul style="list-style-type: none"> ❖ Move through ezoosmic cells, penetrate into ezoosmic membrane, participate in the process of ezoosmos. It can appear instantly and disappear instantly in different areas of ezoosmic grid.
<ul style="list-style-type: none"> • The quantity of real Po particles is constant and invariable. 	<ul style="list-style-type: none"> ❖ The quantity of phantom Po particles varies, however it is much less than that of real Po particles.

 As it was mentioned, in ancient times processes of the invisible world were explained by the phenomena and objects, visible and clear for a person. Formation of the world from invisible smallest particles was explained by the example of seed (of the creative spirit in it), as a life germ, and also by the example of the smallest grains of those cereal crops which were known to the local people in everyday life. Briefly we will give several examples showing that such a knowledge existed among nations living on different continents. Asia: in Hinduism, a seed means a divine spirit (Atman) which is in the center of life, and seed-grain symbolizes **a life seed, much in little**. Africa: according to one of the versions of cosmogonic myth of the African Dogon tribe, the world originated from the word 'Amma' (the Primordial Sound) which gave rise to the infinitely small – kize uzi (which is related to the symbol of Po grain or fonio grain – the most ancient cereal crop of Africa). America: American Indians believe that a maize ear with all its seeds represents all people, all things in the Universe, and so on.

References: *Мифы народов мира. Энциклопедия // гл. ред. Токарев С.А. [Myths of Nations of the World. Encyclopedia/ head editor – S.A.Tokarev] Moscow, 1987 Vol.1 [In Russian]; Тресиддер Джек. Словарь символов. [Jack Tresidder; Dictionary of Symbols] Moscow: Fair-PRESS, 2001 [In Russian].*



EZOOSMOS

it is a fundamental process thanks to which the material world exists. ***EZOOSMOS - an inner energy impetus, carrying in it the potential, i.e. the force and information program of any action in the material world***, including the emergence of life. Everything in the material world exists due to inner potential. Its quantity and a prompt process of replenishment of any object, field, particle and so on by it defines the quality and the quantity of existence of this object, phenomenon, etc. in the visible and invisible material world.

Understanding the process of ezoosmos, it is possible to find answers to many questions of physics, including quantum physics. For example, today it is known that the main characteristic of atom is its *inner energy*. The atom represents a quantum system (i.e. is a subject to the laws of quantum mechanics). Its total *inner energy* is quantized, i.e. takes a *discrete* (intermittent) range of values that correspond to the stationary (stable, invariable in time) *states* of atom. But why can the energy of atom change only *abruptly* by a quantum transition of an atom from one stationary *state* to another? Why can in quantum mechanics the *angular momentum and energies of the movement* of a particle in a limited area of space can take only a series of *discrete values*?

What is the basis of these processes? In modern science it is claimed that the quantization of energy of atom is a consequence of wave properties of electron. But what does the electron itself consist of and how does its transformation from a particle to a wave and vice versa occur? What initially determines the *quantum state* of the atoms of chemical elements? These and many other questions of physics become clear, when you know the foundations of the PRIMAORDIAL ALLATRA.

ETYMOLOGY OF THE WORD EZOOSMOS

The word "ezoosmos" is formed from two words: "ezo" and "osmos." The Greek word "EZO" (Greek "ἔσω") is formed from the preposition "eis" (Greek "εἰς"). It has several meanings. In everyday life "ezo" is used within the meaning of "in; inside; from within; within the limits of". But it is interesting that in spiritual treatises this word is used in the phrase "**inner person**" (ὁἔσωἄνθρωπος), i.e. in the concept of "soul", "inner self".

References: Γεώργιος Μπαμπινιώτης. Ετομολογικό λεξικό της νέας Ελληνικής γλώσσας. Αθήνα: Κέντρο Λεξικολογίας, 2009; A Greek-English Lexicon Of The New Testament, Being Grimm's Wilke's Clavis Novi Testamenti, Tr., Rev. And Enl. By Joseph Henry Thayer, New York American Book Co, 1889.

 *Extracts from the Bible:*

"...according to the riches of His glory He may grant you to be strengthened with power through His Spirit in your **inner being**..."

Bible. The message to Ephesians. Chapter 3:16.

"Therefore we do not lose heart. Though outwardly we are wasting away, yet inwardly we are being renewed day by day. For our light and momentary troubles are achieving for us an eternal glory that far outweighs them all. So we fix our eyes not on what is seen, but on what is unseen, since what is seen is temporary, but what is unseen is eternal."

Bible. Second message to Corinthians. Chapter 4:16-18.

No less interesting is the preposition "is" (Greek "εἰς" – "to; "in") from which "ezo" is formed. This preposition is used to denote entrance, direction and limit: "in, on, to, for, among". It is used to indicate achievement, *penetration*, entrance into a certain period. In figurative expressions this preposition is used when we say that one thing transforms into another or is divided into parts; when some people or things gather, unite in one, and so on.

References: A Greek-English Lexicon Of The New Testament, Being Grimm's Wilke's Clavis Novi Testamenti, Tr., Rev. And Enl. By Joseph Henry Thayer, New York American Book Co, 1889; A Greek-English Lexicon, Henry George Liddell, Robert Scott, Henry Stuart Jones, and Roderick McKenzie, United Kingdom, Oxford University Press, 1819.

It is interesting that "εἰς" is connected with the Ancient Greek word "εἷς" which means the number "one" and is

cognated (related, having the same root) to the ProtoIndoEuropean stem *sém* and the Sanskrit सकृत् (sa-kr̥t) having such meanings as "only", "another", "to divide into parts", "to penetrate".

References: Cognate class 623; Indo-European Lexical Cognacy Database (LexDB version 0.9 <http://ielex.mpi.nl/cognate/623/>); A Sanskrit-English Dictionary: Etymologically and Philologically Arranged with Special Reference to Cognate Indo-European languages, Monier Monier-Williams, revised by E. Leumann, C. Cappeller, et al. 1899, Clarendon Press, Oxford.

The Greek word "OSMOS" (osmos) means "a push; impulse; pressure". It is formed from the Ancient Greek root "othein" – "to push". It is related to the Sanskrit word "vadhati" that means "pushes", "strikes", to the Avestan "vadhaya" – "to push away".

References: Webster's Third New International Dictionary of the English Language, Unabridged. Springfield, MA: Merriam-Webster, 1993.

 "The main function of the first dimension is the initial inner impulse of energy."

The book "AllatRa", p. 222

PROCESS OF EZOOSMOS

Let's examine an important process of the microcosm which occurs in ezoosmic cell, more precisely, in its ezoosmic membrane. Let's remind that in the center of ezoosmic cell there is a real (stationary) Po particle. And each part of a dimensional cubic cell consists of a unique non-material structure – ezoosmic membrane. In the threedimensional world it has no thickness, there is no time in it. But its inner space connected with the *non-material world* is infinite. (*Note: in ancient times the non-material world was called the spiritual world; it was figuratively specified in Ancient Greek legends*

that gods live in the aether). Phantom Po particle can pass through an ezoosmic cell. And usually only *one (1) phantom Po particle passes through one cell in one moment*. In other cases *maximum two (2) phantom Po particles* can pass simultaneously through different sides of the spatial cube of an ezoosmic cell. In such cases the processes of collision of phantom Po particles with each other in ezoosmic cell are likely to happen. Such a process of collision of particles within ezoosmic cell happens with the direct influence of the septon field of real (stationary) Po particle on it.

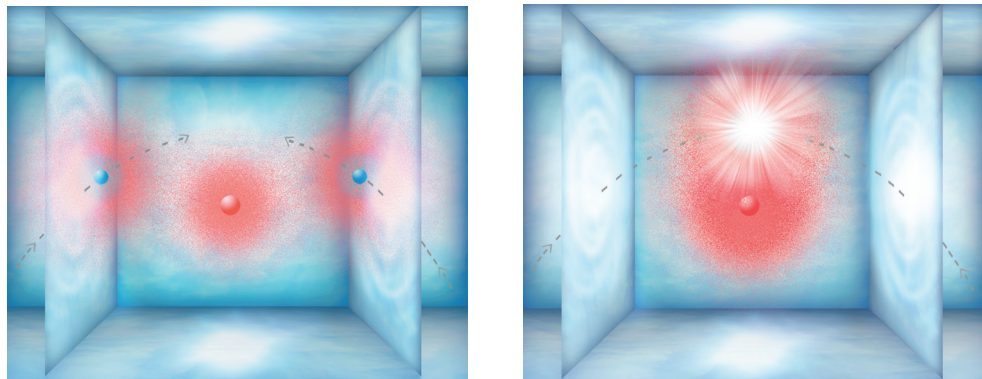



Figure 9 The scheme for collision of two phantom Po particles in ezoosmic cell

PHANTOM PO PARTICLE HAS AN IMPORTANT PROPERTY: IT IS ABLE TO PENETRATE INTO THE EZOOSMIC MEMBRANE AND PARTICIPATE IN THE PROCESS OF EZOOSMOS. THAT MEANS THAT IT IS CAPABLE TO DISAPPEAR INSTANTLY IN THE EZOOSMIC MEMBRANE FROM THE MATERIAL WORLD AND APPEAR INSTANTLY IN IT AND WHAT IS MORE IN ANY PLACE OF EZOOSMIC GRID (EMERGING FROM EZOOSMIC MEMBRANE OF ANOTHER EZOOSMIC CELL), BUT ALREADY WITH A RENEWED INNER POTENTIAL (ENERGY AND STRUCTURED INFORMATION).

Process of ezoosmos in the three-dimensional world is performed only through the geometrical center of

one of six membranes of ezoosmic cell. The spiral structure (of an elementary particle) is like screwed in by a head phantom Po particle in the geometrical center of ezoosmic membrane. Thanks to the process of ezoosmos the phantom Po particle appears in another ezoosmic cell, with a renewed reserve of energy, according to the old or renewed, or a completely new program, which was programmed in it when it was in the inner space of the membrane. Subsequent phantom Po particles which make up the same elementary particle follow the same spiral way as the head phantom Po particle passing through the same ezoosmic cells and the same ezoosmic membranes. Thus, *vortex* disturbances are formed during the spiral movement of these structures through ezoosmic space.

 It is interesting to trace the etymology of the word information from ancient times. "Informatio" – the Latin word meaning a representation, an explanation, a statement, interpretation, concept, idea, the conception. It is formed from "informo" that means "to outline, to shape". The Latin word "informo" is formed from the prefix "in" which has the meaning "inside, inner from within", and also from the root "form". It is believed that the modern Indo-European root of the word "form" is presumed to be "mer-bh" or "mer-gwh" - "sparkle, shine." This root indicates a manifestation of something in the field of view. By this root the Latin word "forma" is related to the Greek word "morphe" (μορφή) meaning "an external form, external aspect, a form, a contour, structure".

References: Семенов, А.В. *Этимологический словарь русского языка*. [Semenov, A. V. *Etymological dictionary of Russian language*] Moscow: Unives, 2003 [In Russian]; *An elementary Latin dictionary* Lewis, Charlton Thomas, New York, Harper & brothers 1891; <https://archive.org/details/elementarylatind01lewi>; *The Linguistic Moment: From Wordsworth to Stevens*, Joseph Hillis Miller, Princeton Legacy Library, 1987; Bréal, Michel, and Bailly, Anatole. *Dictionnaire étymologique latin*. Paris: Hachette, 1918; <https://archive.org/details/dictionnairetym00bailgoog> Miller, Joseph Hillis. *The Linguistic Moment: From Wordsworth to Stevens*. New Jersey: Princeton University Press, 1987.

What does a *renewed inner potential of a phantom Po particle*, which every time is replenished and "corrected" in the process of ezoosmos, mean for the material world? It can be called in general: evolution (creation, transformation, destruction, renovation) resources, reserves and opportunities. This unique reserve of energy which phantom Po particle provides from the nonmaterial world in ancient times was called the forces of Allat (*Note: more details about the force of Allat see in the book "AllatRa"*). It is that force due to which all the material world exists. Exactly for the concentration of this force in the various places of ezoosmic grid the septon field of real Po particles hunts, feeding with it the existence of its system (system of the Animal mind).

According to the ancient spiritual knowledge, it is the force of Allat that orders everything in the visible and the invisible world, makes everything move and transform according to a specific plan (information) of the nonmaterial world (*Note: in ancient times it was called the Primary Lotus plan, the plan and will of God, the will of the spiritual world*). The structured information sets characteristics, parameters, properties, the program of action (and so on) to the objects and phenomena of the material world. It is necessary to distinguish the general concept of the modern word "information" and the concept of meaning, which is embedded in the word "information" in the described processes of physics of the microcosm.

TRANSMISSION AND DISTRIBUTION OF ENERGY AND INFORMATION

How does the transmission and distribution of energy and reading of information in ezoosmic cell occur? Let's explain this process by the example of withdrawal of a part of inner potential from a *head phantom Po particle*. Let's remind that it is located in the head of the coupling of phantom Po particles (figuratively speaking, as a locomotive and wagons), forming an elementary particle (figuratively speaking, a train). Why do we focus so close attention on it? The fact is that a real Po particle reads the information about an entire micro object (about the whole compound of the phantom Po particles which constitute an elementary particle) from the first (head) phantom Po particle. And secondly, if the real Po particle, influencing the process by the force of its own septon field, changes the trajectory of the head phantom Po particle movement by the force of its own septon field,

then, respectively, the trajectory of the movement of other phantom Po particles being in this compound changes. Passing through the same ezoosmic cell as their head phantom Po particle, they only lose a part of energy which is withdrawn from them by a real Po Particle due to its own septon field.

How does the energy with drawal process by a real Po particle occur? As soon as a phantom Po particle, having passed the ezoosmic membrane, has renewed its inner potential and entered a new ezoosmic cell, a process of excitation of the septon field of the real (stationary) Po particle located in this cell occurs. The real Po particle starts to perform functions equivalent, figuratively speaking, to a role of a customs officer, a collector of taxes (energy) and supervisor (reading the information).




The nature of the force of the real Po particle's own septon field is such that a phantom Po particle in its movement within the ezoosmic cell space passes round the real Po particle (and this sets a spiral movement to a phantom Po particle, and along with it to all the objects and phenomena of the material world). (*Note: see further in the report the section about the spiral movement*). Thus, just when the own septon field of a phantom Po particle enters the own septon field of a real Po particle, an energy withdrawal process (usually 10%) and reading of the information by a real Po particle occur. In turn, the real Po particle transfers the borrowed part of a potential of a phantom Po particle to the system – the unified septon field of the real Po particles (the Animal mind).

By this way the system of real Po particles (the unified septon field) controls everything that occurs in the material world, redistributes, transforms and consumes the energy necessary for maintenance of its existence. Moreover, depending on certain conditions, the system (the unified septon field) through each real Po particle can indirectly or directly influence the processes occurring inside ezoosmic cells, modify, transform the quality of these processes, the course, the direction and so on, to strengthen or weaken the effect of phantom Po particles. It depends on this "correction" by the real Po particle, where exactly, in

which further direction and for enhancement of activation of which programs the inner potential of a phantom Po particle will be applied. So, it will affect in general the vital activity of the micro-object consisting of these phantom Po particles.

Thus, with the special "attention of the system" to the process which involves a compound of phantom Po particles (constituting this or that elementary particle) the direction of the movement of this coupling of phantom Po particles and their inner potential can variably change. For example, according to the initial information received during the ezoosmic process, one of the options of movement of a head phantom Po particle presupposed the direction of its movement to the opposite membrane in an ezoosmic cell. But, because of purposeful influence and correction of the information by a real Po particle, the head phantom Po particle changed the direction of its movement and came out, for example, in the nearby membrane of this ezoosmic cell. Let's remind that initial information which is set in inner potential of a phantom Po particle during the process of ezoosmos, initially has a "limited multivariability" of possible actions in the material world which includes also various allowable options of the influence of the system (the Animal mind) – the septon field which is the basis of all interactions and processes of the material world.

 *"Contemplating from the position of the Observer from the Animal or Spiritual nature, we already influence the situation and its possible outcome, its pre-resolution in the invisible for us world, for we make a choice. Each situation - is a kind of response not only to your presence in the present moment here and now but also to how exactly you observe yourself in this moment."*

From the book "AllatRa"

FREE ENERGY

Along with all the abovementioned ancient knowledge of the processes which are taking place at the level of ezoosmic grid, in the PRIMORDIAL ALLATRA PHYSICS there is also there is also the knowledge about how it is possible to get free energy, being aware of the functioning and operation of the invisible world. The term "free energy" does not refer to the terms "Helmholtz free energy" or "Gibbs free energy" known nowadays in physics and physical chemistry. The term "FREE ENERGY" in the PRIMORDIAL ALLATRA PHYSICS should be understood as a derivative of the universal active force which manifests itself at the excitation of the own septon field of a real Po particle located in an ezoosmic cell. In fact, that is the generation of free energy based on the excitation of the septon

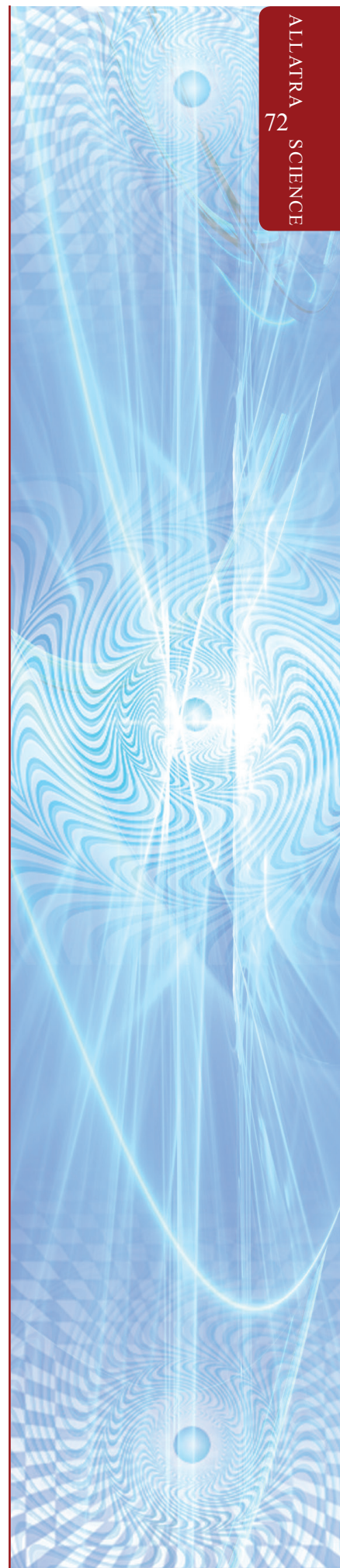
field of real (stationary) Po particles in ezoosmic grid. Understanding of the essence of this energy doesn't contradict the general fundamental concept of energy in modern physics which implies the ability of material systems to operate when they are changing *their state*; of the energy as of a unified common measure of qualitatively various forms of the motion of matter, preserved at their interconversions. On the contrary, it reveals its fundamental principles. The Knowledge of this universal force provides fundamental answers to many pressing questions of modern physics, including an answer to the question of how it is possible to simply and freely get the same electric energy in unlimited quantity regardless of availability of natural resources in any dimensional point of the ezoosmic grid.


ASSOCIATIVE EXAMPLES OF PROCESS OF EZOOSMOS, TRANSMISSION AND DISTRIBUTION OF ENERGY AND INFORMATION.

All this motion in the microcosm, the process of ezoosmos and also transformations occurring at the level of ezoosmic grid (the influence of real Po particles on phantom Po particles), is possible to explain figuratively using the associative examples clear for most of people of modern civilization. Imagine that you are an observer who is at a space station and conducts a surveillance of a certain transport hub of railway communication on the Earth. In the beginning you see simply a point. When approaching the object by means of optical equipment the point turns into a set of strips. And with a multiple increase you already see the congestion of different trains, each

of which stands on its railway, with its number of wagons and so on.

If we draw an associative parallel with the structure of elementary particle, then each rolling stock with trailing wagons represents a certain elementary particle. The number of wagons in it is the number of phantom Po particles composing this elementary particle. By the appearance, the trains are identical for the observer – with universal covered wagons. However, the filling of the wagons of each train can be different: people, animals, gravel, coal, petrol, acid, alkali and so on. Associatively it is like different bunches of phantom Po particles filled with different inner potentials





are a part of the composition of the “animate” and “inanimate” matter and natural phenomena. For example, represent an electron or other elementary particles which make up the objects of a microcosm constituting, in turn, a part of a structure of a human, an animal, grass, water, the planet Earth, distant stars, and so on. Inner potential (energy and information) of each Po particle - it's in our associative comparison an inner content of each wagon of the train, which is inaccessible to the observer's look. There are no empty wagons here! Appearance of the wagons of different trains is identical the wagons of different trains are identical, but each train transports its cargo.

Railway lines, locomotives, drivers – all these figuratively are different kind of *information* which in total defines a variety of matter, the direction of its motion, transformation, the course of further events and so on. A real (stationary) Po particle in an ezoosmic cell is both a traffic controller in its area and a customs officer in the assigned sector (control area) where the own septon field of the real Po particle is a kind of a customs area). This manager not only solely manages the movement of trains and maintains supervision of its area (in the ezoosmic cell), but also withdraws a sort of a “fee”(a tribute as a tax collector at customs) from each train passing through its site for the carriage of any cargo. That is the real Po particle withdraws 10% of inner potential from each phantom Po particle passing through this ezoosmic cell.

The traffic controller “reads” from the locomotive (the first head phantom Po particle) all the infor-

mation on the passing train: train length, contents of its wagons, its route, etc. All trains passing through the area (ezoosmic cell) run non-stop, bypassing the supervisory point (station), so to say a kind of “the situation center” (of a real Po particle). Thus, approaching it as close as possible, they pay a tribute “at distance”, passing through the customs area (the real Po particle’s own septon field). At the same time the traffic controller may reduce or increase train speed on a given section of passage, withdraw a smaller or larger part of the cargo (10% and more of an inner potential, depending on situation), and so on. And in special cases when the train contains a “diplomatic wagon” (Allat power phantom Po particle) the traffic controller has to remain indifferent to the passing of such a specific wagon having the immunity status.

Each traffic controller (in coordination with their system of traffic controllers) in its section may control and regulate train traffic, also carrying out railroad switches, totally changing the direction of the movement of a whole train. The traffic controller almost instantly shares the received data and a part of the withdrawn “cargo” with other traffic controllers of the system. If to consider that information and energy between real Po particles is transmitted instantly in their common septon field, we can understand how the system of real Po particles (the system of Animal mind) controls the material world, can influence it, change characteristics of matter, redirect the force vector, and so on.

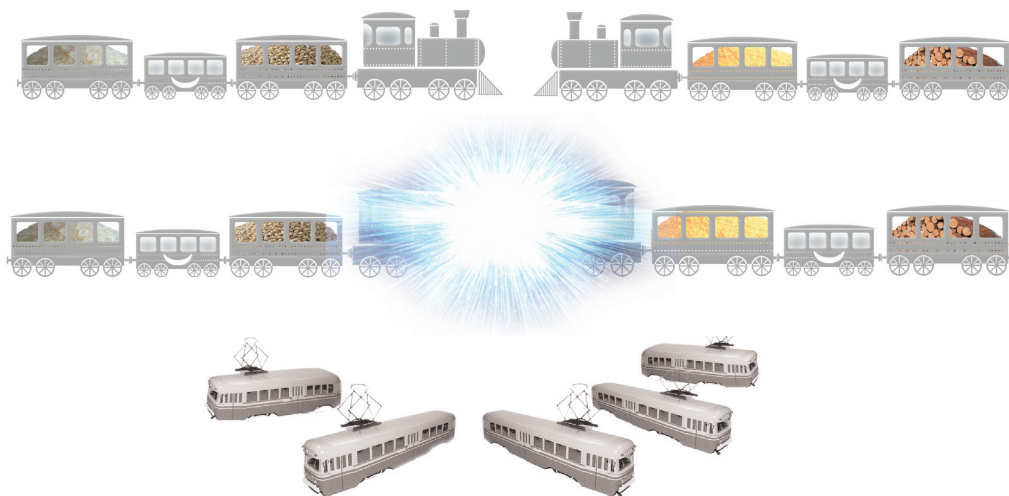
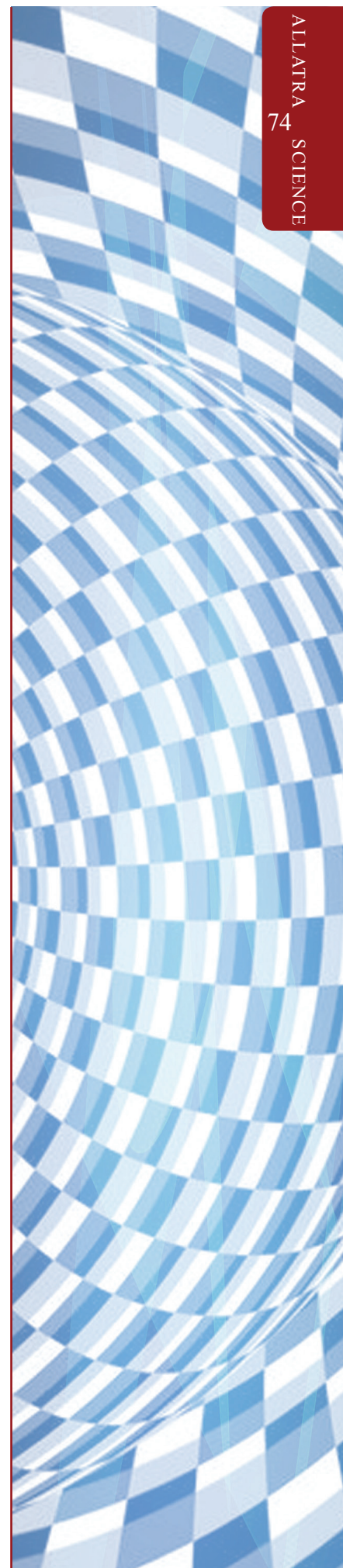


Figure 10 Figurative example of collision of two phantom Po particles in ezoosmic cell and process of transforming their inner potential after passing through the ezoosmic membrane.

The train traffic on this railway system isn't quite usual for an observer on the space station. Each train on borders between dispatching areas passes a kind of invisible tunnel of zero thickness, something like a thin mist (ezoosmic membrane). And for the observer from the space station the train traffic on Earth (when crossing the border of dispatching areas) will look like continuous. Actually each wagon of the train, passing this "line of demarcation" between areas, *will disappear from one area and then reappear in another* (in another ezoosmic cell). Sometimes the train can move quite unpredictable for the observer akin to the effect of the "instant teleportation": leaving one area, it can disappear on its border and instantly appear in another area located thousands of kilometers from the initial one. And, by the way, the control of the train can be managed by another driver with a different route, and the train, filled with new fuel may move on new rails, in another direction (new information), transporting in wagons a new cargo and so on.

Moreover, if on the same dispatching area at the same time two trains came around and there was their collision (two phantom Po particles in ezoosmic cell under the influence of the

own septon field of real Po particle have collided), then some component parts of these trains may disappear forever on the border of this area (in ezoosmic membrane), and others – can emerge on other area in an absolutely different quality (in other conjunction with the other phantom Po particles) and to move in the new directions, with the new cargo (modified inner potential), etc. (In the world of a microcosm everything depends on the information and on the energy, received at an ezoosmic impetus (i.e. during the process of ezoosmos). For example, instead of two trains which carried in their long rolling stocks one – grain, another – oil, after their collision and passing of the border (ezoosmic membrane), on the other areas will appear, for example, five trains with small number of wagons, each of which will go on its new rails and carry a new cargo, for example, one – people, another – coal, the third – acid and so on. And this process occurs instantaneously for the observer. Thus, in this rail network it is possible to observe absolutely different cases which at first sight for the observer will appear chaotic and unclear, although in fact everything will exist according to a strictly defined program where a "limited multivariability" takes place.



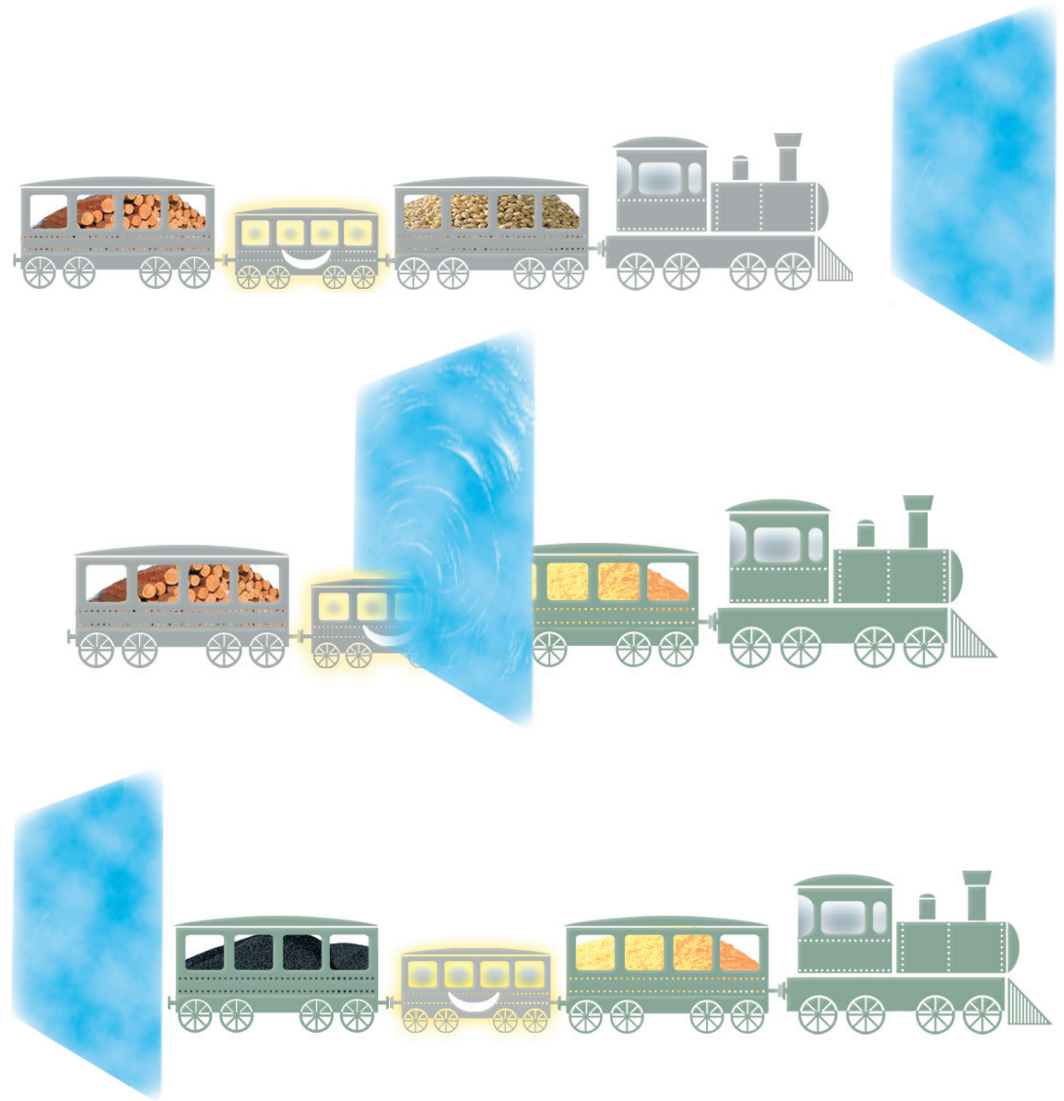


Figure 11. Figurative example of changing of inner potential after passing through the ezoosmic membrane.

In a microcosm an amazing phenomenon occurs: the same elementary particle consisting of a bunch of phantom Po particles participates in different processes, but its *inner potential can be changed* depending on the processes in which it is involved at the present moment. Question: Where and how is this action accomplished at the level of ezoosmic grid? Let's be back to our associative example with the train and wagons. At the moment of a disappearance of wagons of the train on the border of areas, they experience a very important transformation. Imagine now that you are an observer who is near a railroad crossing on the border of two administrative areas. Moving at a

small speed the train with the covered wagons which contain, for example, a grain, is approaching the level crossing. At the railroad crossing the train passes through something like a thin mist, or a short tunnel, and comes out already at an absolutely other speed, conducted by another driver and wagons are filled not with the grain, but with people. What has happened?

If the observer had an opportunity to look inside this tunnel (eozoosmic membrane), he would see the process unusual for his habitual world. Proceeding from our associative example, the wagon would stiffen in timelessness and everything that was

in it, would either be completed or completely changed to another content (change of inner potential: energy and information), etc. So, the train remained the same (for example, the electron is the same), but its content has changed (inner potential of phantom Po particles). In other words, in this earthly, associative example the observer would see qualitatively different (endless) world in which the wagon stiffened in time was served as if at a freight station, a marshalling yard, where the unloading of the old cargo, loading of a new cargo in a wagon, replacement of the driver, refueling, registration of transportation documents (the new or corrected information) etc. would be made. In general when crossing the border area (ezoosmic membrane) in the accelerated mode there would be a disbandment of the old cargo of the train and formation of a new rolling stock with a selection of wagons and their content, a train equipment, collecting of a complex information about the passage of wagons, cargo, change of information in connection with new conditions, preparation of data for operational planning, rerouting, refueling and so on.

Change of the inner potential of phantom Po particles is a unique phenomenon which adds a new quality to a quantum system of an elementary particle (consisting of a compound of phantom Po particles), *changes its inner state*, sets a completely new program of action, the course of events, and so on. For example, let's consider the simplified scheme of a part of the "life" of electron which consists of 13 phantom Po particles (*Note: for more details see further in the report*). In the beginning the given electron was, for example, in the atom of nitrogen which in turn was a part of a soil fertilizer. Then nitrogen got through a root system, for example, a wheat germ and became a component of this plant included in a protein, more specifically in gluten. The wheat

germ grew, became an ear. When the time has come, people have reaped the harvest, processed ears, grinded wheat grains into flour, kneaded dough, and baked bread. That is at first the nitrogen of the gluten protein, entered the chemical composition of the flour, then dough, then became a bread component. Man ate the bread to replenish his energy reserves, to maintain the activity of the organism developing under its information program. Nitrogen, being in composition of protein of a gluten, being a bread component, came as a nutrient into human body, where it got again to an absolutely different chemical environment where under the influence of various forces of biochemical reactions there was a transformation of a substance of which it was a part. Let's suppose that a protein which included this atom of nitrogen in its composition was not metabolized by the body. It was removed from this system already as a part of waste products of human vital activity, got back to the ground, where it was a subject to other chemical reactions and influence of other forces.

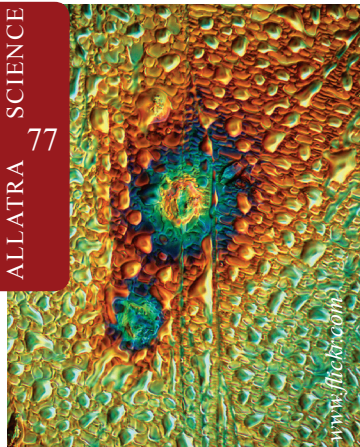
All this time the electron of nitrogen remained the electron consisting of the same 13 phantom Po particles : both in the ground, and in grain, both as a part of flour, and as a part of dough, both as a part of bread, and in protein, being in the human body, and then having got to the ground. The only thing that was changing in electron is *the inner potential* of its phantom Po particles (energy and new information program). This clearly explains why the same elementary particle is present in the composition of various material objects that perform different functions, which are in different conditions of existence. In our limited understanding of life, all these elementary particles are identical. Actually their inner potential is absolutely different. The same electrons forming various micro-objects are identical in their



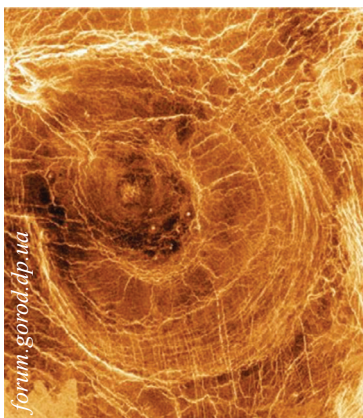
Microphotograph of bread



Sodium nitrate (fertilizer)



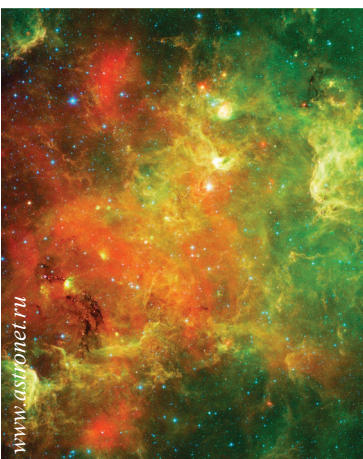
Calcium citrate



Surface of Venus



Lagoon Nebula



North America
Nebula

composition, but have different potentials. Some electrons are a part of the alkali, others of the acids; some participate in creation of material objects, others in their destruction.

The ancients were right, saying that the material world is false and illusory,

because everything in - it is only a redistribution of energy and information. The ancients were right, saying that the sense of human life consists not in his corporal existence which is a subject to death, but in the spiritual transformation where the essence of everything is defined by his choice.

“Lead us from the unreal to the real. Lead us from darkness to light. Lead us from death to immortality”.

Brihadaranyaka Upanishad 1.3.28

In the Hindu mythology the cosmic play of God through which he creates the world, creates in it an illusion as a "reality", as a performance or a dance is called "Lila" (Sanskrit लीला, līlā - play). Lila - is an illusory appearance, semblance, affectation. The whole world, all its forms and the phenomena, the whole "illusory" Universe – are actions of this fleeting play, quickly alternated forms. This swiftly flowing performance captures human attention, but it is no more than an illusion caused by ignorance. The true reality is hidden in man himself. But ability to see it is only given to the one who is able to see clearly and perceive the true reality (spiritual world) behind the playing inflections of illusion (Maya), hiding behind a visible variety of the temporary world of matter its real essence.

*In Hindu cosmologic myths the god of cosmic play – vigorously dancing Shiva is mentioned (one of three main Hindu deities: Brahma, Vishnu, Shiva) destroying and reviving all things. In a sacred dance (Tandava) with the help of magical power (Maya) Shiva creates the appearance of all creatures and things in the world, is the source of the cycle "creation-preservation- dissolution." Translated from the Sanskrit "Maya" (Skt. माया māyā)- it is illusiveness. And the word "Tandava" (Skt. ताण्डव tāṇḍava) is derived from the Tamil "Tandu" - jump, **intermittently jumping**, dancing. Jumping means to **move in different directions, moving quickly in the air, pushing off from the surface (Note: discrete motion of phantom Po particles)**. The dance symbol in the mythology is considered as a movement of space energy, Universe rhythms, transformation of space and time, imitation of the divine play of creation. One of the iconographic images of Shiva popular in today's Indian culture is a statue of Shiva Nataraja dancing in the fiery ring. Having raised his left foot, he treads with his other foot on a dwarf (Apasmara), symbolizing ignorance, the inferior human "I", in which a person is so involved that he forgets about his higher spiritual calling and destiny.*

"All actions take their place in time thanks to a mutually interlacing of forces of Nature, however the person mired in delusions of egoism thinks that he is a doer himself. However the one who knows about the connection of forces of Nature with actions, sees how one forces of Nature make an impact on other forces of Nature and avoids a fate of their slave".

Bhagavad-Gita (3: 27,28,29)

References: Большой толковый словарь русских глаголов/сост. Бабенко Л., Волčkova И. и др. [The Large Explanatory Dictionary of Russian Verbs/ compiled by L.Bobenko, I.Volkova and others] Moscow: AST Press Kniga, 2009 [In Russian]; Новая философская энциклопедия. – 2-е изд., испр. и доп./ глав. ред. Стёпин В.С. [New Philosophical Encyclopedia. II edition/head editor – V.S. Stepin] Moscow: Mysl, 2010 [In Russian]; Упанишады в трех кн. Кн. 1. Бригадараньяка упанишад/пер. с санскрита, коммент., прил. Сыркина А.Я. 2-е изд., доп. [Upanishads in three books. Book 1. Brihadaranyaka Upanishad/translated from Sanskrit, commentaries – A.Y.Syrkina. II edition] – Moscow: Vostochnaya literatura, Russian Academy of Sciences, 2000 [In Russian]; Tresidder, Jack. The Complete Dictionary of Symbols. San Francisco: Chronicle Books.2005.

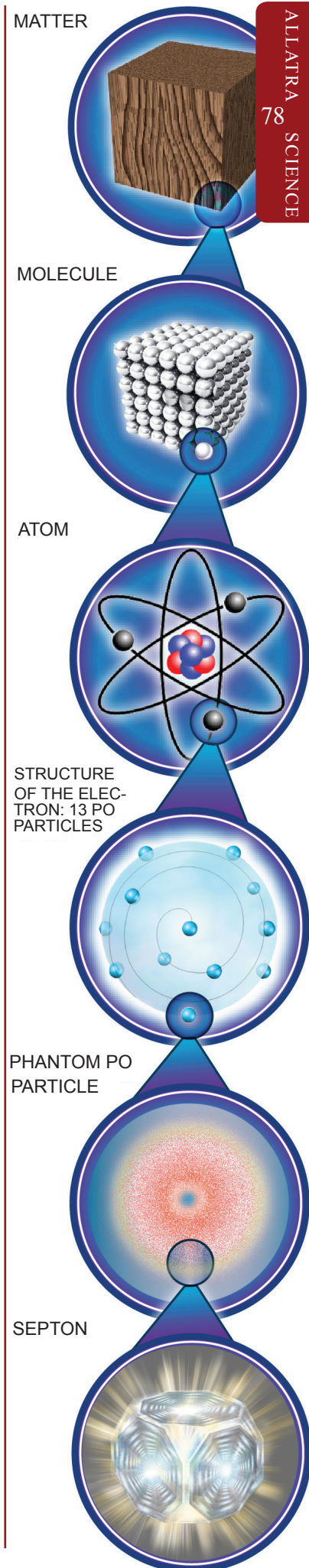
THE STRUCTURE OF THE ELEMENTARY PARTICLES

One of the prominent physicists of our time, after having acquainted himself with the PRIMORDIAL ALLATRA PHYSICS said: "This knowledge will take the modern physics out of sopor. This is a radical revision of the established concepts and contemplations. All the complexity of physics turns into a brilliant simplicity, when you realize that before that you were watching just a combination of doubled shadows and not the real essence of the process. "As people say, the truth is always simple.


Nature abounds with the diversity of its constituent particles. The knowledge of the PRIMORDIAL ALLATRA PHYSICS allows oneself to look behind the secrecy curtain of the structure of the material world, to learn about the origin of its primary interactions and processes. There is a chart known from ancient times that contains information about the quantitative composition of phantom Po particles in each particle which takes part in most common and significant processes in nature connected with interaction of matter and its structure. It contains description of both the particles that we already know about (which were mentioned under other names and notations in ancient times) and particles which science does not know about yet. For example, a particle that is called "proton" in the modern world, consists of 12 Po (twelve phantom Po particles), "electron" consists of 13 Po (thirteen phantom Po particles), "neutron" consists of 33 (thirty-three phantom Po particles). The chart also includes the unique particles having a complex internal structure, unknown till today to the official science, consist-

ing, for example, of 25Po, 39Po, 47Po, 60Po and also 72 Po. The knowledge of the quantitative structure of phantom Po particles, which constitute one or another elementary particle, opens great possibilities for the human civilization. For example, they allow to calculate with the absolute accuracy any reaction under all conditions of its process, to compute the formula of the composition of any matter, of any living and non-living object, and so on.

Taking into account that the present report is intended for the initial acquaintance of the participants from different countries of the International Public Movement "ALLATRA" with PRIMORDIAL ALLATRA PHYSICS, we will present examples that are the most easily understood. In particular, we will familiarize the reader with the information that is unknown today to the official science – the unique phantom Po particle, that constitutes the basis of any force particle which forms the core of the force interaction – *Allat phantom particle*. And as an example, we will provide a brief description of the structure of several already discovered and the most mysterious elementary particles (photon, neutrino, electron), which have allat phantom particle in their composition. We will provide simple examples of calculation of the number of phantom Po particles in the nuclei of atoms and verification of nuclear reaction formulas. Knowing the calculations scheme, it can be successfully replicated even by a schoolboy. Undoubtedly, there are other more complex calculations of the energy yield of nuclear reactions with the release or absorption of energy and so on. But they are of interest only to



the narrow circle of specialists. Understanding the fundamentals, it is not difficult for any qualified expert to grasp the essence of this process by himself and understand much more than is set out publicly.

 Today, a perception prevails that in ancient times "hunters and gatherers" lived who had, allegedly, primitive considerations about the material world and its structure. The "inconvenient" facts that do not fit into the "theory for the slaves of the system," about the existence of the previous civilizations that were far ahead of modern humanity in their development, are concealed. **This hypothesis** is embedded in the minds of most people as a worldview taken for granted so that they wouldn't ask unwanted questions, wouldn't think about the meaning of their existence, about their own spiritual transformation and the change of an entire civilization. Because the answers to these questions will eventually give an understanding of what kind of society of "primitive stereotyped thinking" the present day generations live, at the level of needs of the animal nature system. That means that it will create a threat to the existing system of consumer society. But taking into account the fact that the current civilization is on the brink of collapse anyway, isn't it high time people got beyond their stereotypes and made a common effort and save themselves and civilization?

There are a lot of artifacts that prove the fact that in ancient times before our current civilization there were more technologically advanced human civilizations, and with every year this collection of facts which are "unfavorable" for the system is being enlarged with new discoveries and findings from different corners of the world. For example, **today we have an irrefutable tangible evidence proving that 140 million years ago there was a highly advanced civilization which had surpassed the present day civilization in technological development in many times.** But will these facts change the fate of today's system of consumer society? No, because everything will end up with a trite consumer curiosity of the "lower" classes and a desire of the "upper" classes to create a new type of instrument of power; intimidation and manipulation of the "lower" classes. Note that people will not become free of their own sufferings created and multiplied by the system. But everything will change if people start to wake up spiritually and change themselves and the surrounding world to the direction of spiritual and moral development of the society with the help of their deeds day by day. We have all the knowledge and opportunities for that!

The remainders of the previous scientific heritage of early advanced civilizations can be traced back even by the most famous pages of the recent past - the civilizations of ancient Egypt, Sumer, India, from which, as believed in the orthodox history, "the development of the contemporary human civilization has begun." It will suffice to study the question of numbers and calculations they used, tables, equipment and technologies they had. All this presupposes the knowledge of such sciences as algebra, geometry, astronomy, physics and chemistry. Greeks, who are considered to be an authority by modern science, directly mentioned in their works that they got much of the knowledge thanks to their trips to the East, namely, to Egypt. In this country, the ancient science of calculations was considered to be a perfect and thorough study of all objects, providing an understanding of their essence, contributing to the cognition of their secrets.


ALLAT

It is the smallest and the most unique in its functions phantom Po particle. Being part of elementary particle, it plays an important role *as a power particle and the universal connecting link* between phantom Po particles which have incompatible inner potential and can not be located near each other in the structure of elementary particle. It exists only if it is bonded to other phantom Po particles. (As it was mentioned before, phantom Po particles do not exist separately). If in the process of elementary particle decay one phantom Po particle separates, then it disappears in ezoosmic membrane irretrievably. It is thanks to its universal character and exclusiveness of its nature that this Po particle was called *Allat phantom Po particle* or in short – Allat.

It is a unique *power* phantom Po particle. It is the only phantom Po particle from which the real (stationary) Po particle can not withdraw energy and information. Going through an ezoosmic cell, Allat phantom Po particle, figuratively speaking, has the immunity status (figurative example of diplomatic

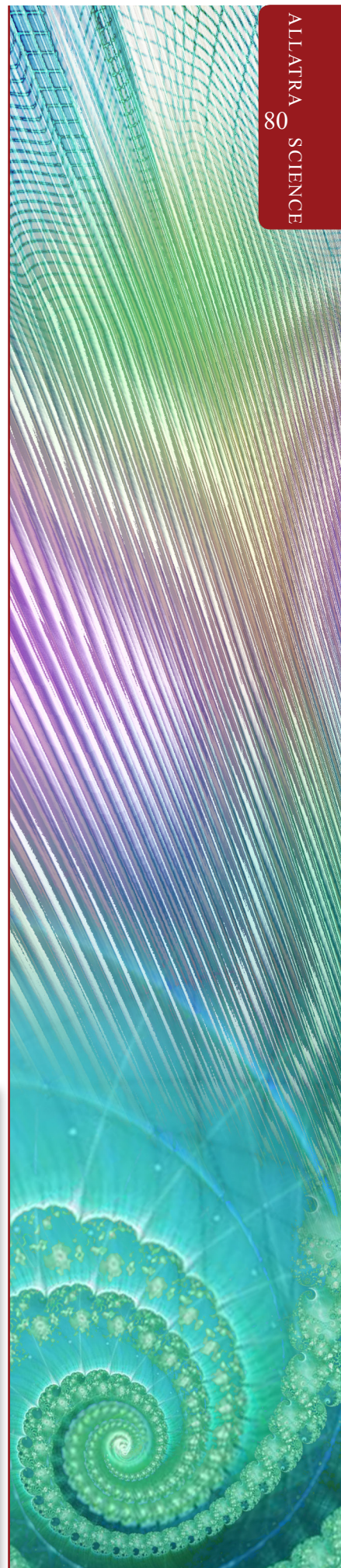
carriage). It is the presence of Allat phantom Po particle in their structure that makes such particles as, for example, photon (3 Po), neutrino (5 Po), and electron (13 Po) unique. **If an elementary particle contains an Allat phantom Po particle, this means that this elementary particle takes part in power processes and interactions, shows specific properties and certain peculiarities.** However, as far as this report does not have the goal to describe fully the characteristics of Allat phantom Po particle and its influence on Po particles in the process of various interactions of particles, which they make up, with other particles, we restrict ourselves just to the description of general understanding of these processes.

Thanks to its universal force of Allat, as people said in ancient times, which is inherent to the spiritual world, and thanks to its unique function to link unlikable, Allat phantom Po particle was denoted by the ancient Slavonic letter “**А**”([a]; the name of this letter in the old Slavonic language – “Aз”[Az], it is also the old Slavonic name of the

 “The very notion “Allat” is quite ancient. In the past the Allat sign in the form of a half-moon with its horns up was used to indicate the presence of the divine force in this or that phenomena, object, etc. It also denotes a common unit - the forerunner of time.”

“Allat has multiple manifestations. In scientific understanding allat is a single unit of time, which has a great importance for all matter. If we take modern indication of earthly time, Allat makes up 12 minutes, more precisely 11 minutes 56.74 seconds. When scientists get to the notion of this important particle of foundation, so to say, the main building block of the Universe, there will be not just a grand revolution in science, there will be an evolutionary jump. Then scientists will understand what is hidden under the secret of time and having realized that they will reveal the true process of matter formation in the Universe. If people know the essence of Allat, they will get huge opportunities”.


(Note: for more information about the unique nature of the force of Allat and its mentions in ancient times please refer to the books of Anastasia Novykh)



number one, which is connected with the usage of Cyrillic letters to denote numbers; there is an old Slavonic phrase “Аз есмь” (I am). It was done due to two reasons. First, in order to show the unique and exclusive character of Allat phantom Po particle itself and its many peculiarities against the background of already known values and notions in physics (to denote which we use letters of Latin and Greek alphabets). And second – for historical reasons, taking into account the fact that the fundamentals of the PRIMORDIAL ALLATRA PHYSICS lost in time by humanity as *basics* of science have

been revived and restored on Slavic territories in present day world.

There is no elementary particle which consists of one or two phantom Po particles. The world of elementary particles, which make up all matter, begins with a bond of 3 phantom Po particles and more. This knowledge can be found in many ancient cultural traditions of nations of the world. For example, the numbers 1 and 2 were not considered to be numbers at all, and the first number in many traditions considered to be 3.

 *The symbolism of the number one was a reflection of the ancient knowledge of Allat phantom Po particle. In the most ancient texts, as a rule, the semantic meaning of the number "one" is found very rarely. The number one denoted not as much the first element in a row as such, but rather the perfect integrity of the spiritual world (the supreme god, thanks to whom this world emerged). It was interpreted as a beginning, initial cause, initial impetus, indivisible, foundation of life.*

The symbolic meaning of the number “two” was connected with the ancient echoes of the knowledge of phantom and real Po particles which are the basis of interactions in ezoosmic grid. The number “two” was interpreted as the basis of binary oppositions with the help of which people described the world, division of unity, distorted reflection of unity (using the example of a candle reflected in two opposite mirrors); and it was mentioned that nothing has a real existence outside the Unity. The number two was interpreted as difference, dependence, appeal of illusion, formation of pairs of opposites. The Vedic tradition has such a correlation of 1 and 2 where two, on the one hand, is a symbol of opposition, division and connection, and on the other hand a symbol of conformity or homology of opposed members. Ancient Greek philosopher Plato mentioned that the number two is a number without meaning, because it implies a relation which brings the third factor.

The first number in a great number of traditions of nations of the world was considered to be 3. It opened a numerical series and was interpreted as a perfect number, dynamic unity, accumulated action, universal character of power, multiplicity, creation, movement ahead, aggregation, external expression, the origin of all the things, etc. It was the main constant of mythpoetical macrocosm and social organization (three highest values, three presiding deities, three times people repeat some action during rituals and so on). The bond of three phantom Po particles will be the next topic in this report.

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PHOTON


The phenomena of the reflection and refraction of light have been known since the ancient times. Until now, the essence of these phenomena and their true nature are not obvious to the official science, everything is based on theory of probability.

In scientific literature of today the quantum of an electromagnetic field is called a photon, supposedly, an elementary particle, which, in the light of contemporary theories, is seemed to be a carrier of electromagnetic interaction. However, in fact, the modern name "photon" only implies the observed process - the lowest "portions", "beams" of light, constituting the waves of electromagnetic radiation, including the visible light, radio waves, X-rays, laser pulses and so on.

The notion of a photon (from the Ancient Greek word "φωτός" (photos) "light") was introduced in 1926 by an American chemist Gilbert Newton Lewis. By the way, he considered photons as being "not generated and not capable of destruction" (it is similar to a story of introduction of the notion of atom by the chemist John Dalton who based his considerations, relying on the ancient knowl-

edge about the indivisible particles). Today the photon is denoted in physics by a symbol of the Greek letter gamma γ . Such a denotation is connected with a discovery of the gamma radiation in 1900, consisting of high-energy photons. It was discovered by a French physicist Paul Villard in the course of research of radium emitting in a strong magnetic field. Subsequently, an English physicist Ernest Reserford who earlier gave names to two types of radiation of uranium as alpha and beta rays, established that the new type of radiation discovered by Villard possessed a great penetrating power. He named this type of radiation as "gamma rays".

The discovery of a photon considerably stimulated the development of theoretical and experimental physics, including physical chemistry (photochemistry), quantum mechanics, etc. People began to understand to some extent and use the manifestations of such physical phenomena as electricity, stream of photons, etc. However, the knowledge about the smallest structure of these phenomena is approximate as the official science still can't explain what exactly electron or photon itself consists of.

 *"In the scientific article in 1926, Gilbert Lewis writes: "... we are dealing here with a new type of atom, an identifiable entity, uncreatable and indestructible, which acts as the carrier of radiant energy and, after absorption, persists as an essential constituent of the absorbing atom until it is later sent out again bearing a new amount of energy... I therefore take the liberty of proposing for this hypothetical new atom, which is not light but plays an essential part in every process of radiation, the name photon..." An interesting fact is that Gilbert Lewis considered a photon to be "a carrier of energy of emitting/radiation", but not the energy itself (nowadays physicists consider photon to be a carrier of electromagnetic force).*

References: Lewis, Gilbert N. The conservation of photons Nature 118, 1926. P. 874–875; Lewis, Gilbert N. The nature of light. Proceedings of the National Academy of Science 12, 1926. P. 22-29; Roychoudhuri, Chandra, Kracklauer, A.F., Creath, Kathy. The Nature of Light: What is a Photon? CRC Press, 2008.




(though this knowledge of a true nature of a microcosm was available in a high antiquity).

The nature of photon remains a mystery to scientists. But even relying on the results of researches that are fixed in the process of observation, thanks to experiments, the discoveries were made that found a wide application in life of society. Various technical devices have been invented, the main functioning of which is connected with use of photons. For example, computer tomography, quantum generator (maser), laser and so on. The laser has a wide practical application in industry, medicine, everyday life, starting from the creation of physical devices of high-precision as seismographs, gravimeters, laser scalpels employed in microsurgery, including the development of technological processes of welding, cutting of metals, household la-

ser printers and so on. Photons are also used in the spectral analysis (the nuclear spectroscopy studies the spectrum of electromagnetic radiation of atoms). Due to the studies of photons scientists found out that atoms of each chemical element have strictly defined resonant frequencies. They emit and absorb the light (photons) within the limits of these frequencies. That is just as each person has the individual fingerprints, so as each chemical element has its unique spectrum of radiation and absorption. And all these facts constitute only the beginning of the study of such a unique structure as photon, that is actively involved in various power processes and interactions in the nature.

But what is in fact a photon and an electron, what do these structures consist of? By what type of its constituent the photon is stable and participates

 *All the theoretical physics of the elementary particles is based on the theory of probability. However, the analysis of the objective grounds of the probability theory was actively discussed only during the creation of quantum mechanics. Now physicists discuss the theory of probability not so vividly. On the one hand, everyone recognizes that it lies in the basis of the micro-processes, but, on the other hand, - in the course of the experiments a little has been said about the probability theory, as if it plays a secondary role. In particular, it concerns the physics of elementary particles where the ideas about probability are mostly concealed under the characteristics of internal conditions and properties of elementary particles. As one of the founders of quantum electrodynamics, an American scientist Richard Feynman said: "Try as we might to invent a reasonable theory that can explain how a photon "makes up its mind" whether to go through glass or bounce back, it is impossible to predict which way a given photon will go. Philosophers have said that if the same circumstances don't always produce the same results, predictions are impossible and science will collapse. Here is a circumstance—identical photons are always coming down in the same direction to the same piece of glass—that produces different results. We cannot predict whether a given photon will arrive at A or B. All we can predict is that out of 100 photons that come down, an average of 4 will be rejected by the front surface. Does this mean that physics, a science of great exactitude, has been reduced to calculating only the probability of an event and not predicting exactly what will happen? Yes." By the way, the mentioned photons problem is still an unresolved issue only for the official science. For the scientists of ALLATRA SCIENCE group this question has been solved a long time ago.*

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in power interactions? Why doesn't this, a so-called "massless elementary particle" in modern physics, have the electric charge? Why photon is one of the smallest and the most widespread elementary particles in the Universe? Nowadays, the official science can't answer these questions, because photon still, despite the accumulated experimental material, remains for it a mysterious elementary particle. But this situation is easy to rectify. Possessing the knowledge about the foundations of the PRIMORDIAL ALLATRA PHYSICS even a schoolboy will be able to find answers to these questions.

IN FACT THE PHOTON if to consider it as a genuine elementary particle consists of phantom Po particles. A photon can exist in two states: THE PHOTON-3 (γ_3) and THE PHOTON-4 (γ_4). Most of the photons consist of 3 phantom Po particles (photon-3). However, under certain conditions each of these photons can transform itself into the photon consisting of 4 phantom Po

Name	Symbol	Quantity of phantom Po particles
photon-3	γ_3	3
photon-4	γ_4	4

particles (photon-4), and photon-4 can transform itself into photon-3. According to its state, photon can perform the functions either of power particle (photon-3), or the "information" particle (photon-4), namely, in the latter case act as a carrier of the information about the elementary particle with which it interacts. It is noteworthy, that photon, moving in ezoosmic grid, has more accelerated spiral rotation of its phantom Po particles than that of the phantom Po particles of many other elementary particles. Due to such accelerated "whirls" of photon structure, the speed of its movement is higher in

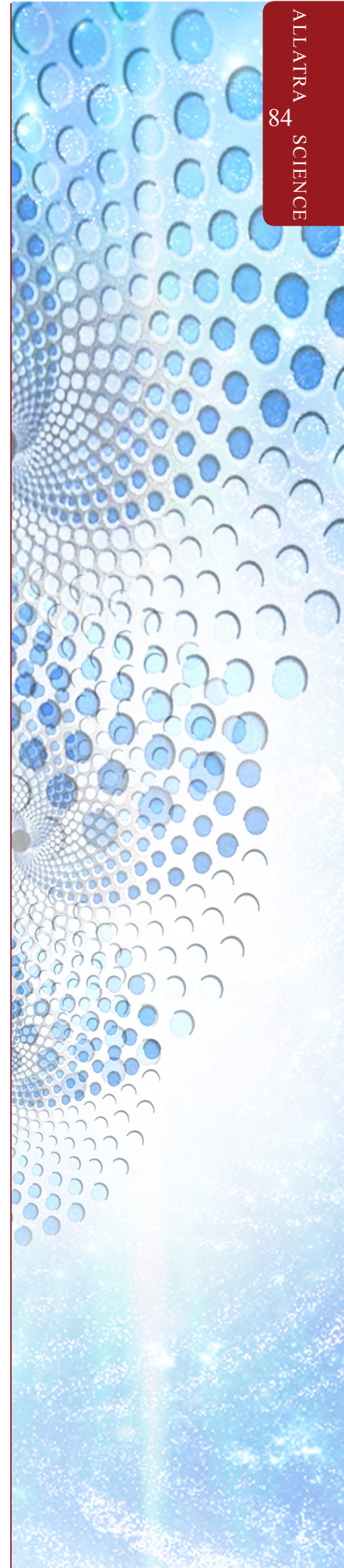
comparison with the speed of many other elementary particles.

Photon-3 and photon-4 usually move in one energy stream, and, it is noteworthy, that the amount of photons-3 is always many times higher than of photons-4. For example, the sun generates a stream of photons, where most of them are power photons (photons-3) that are responsible for energy and power interactions, however, there are also 'information' photons (photon-4) among them, carrying information about the sun. The streams of photons-3 do not carry heat, they generate it by destructing the particles they hit on the way. The greater is the flux of photons-3, which are directed at a right angle to a material object, the more heat is generated. Due to the information photons (photons-4) a human being, for example, is capable of seeing the sun light and the sun itself, and due to the power photons (photon-3), he feels the heat from the sun and so on. That is to say, the energy stream

and various power interactions in the material world are provided by the photons-3, and due to photons-4 the delivery of information is effectuated in this particular energy stream (that is the participation in the processes, allowing for example, a human being, to see the surrounding world).

PHOTON – 3

Photon-3 consists of *three phantom Po particles, namely, of two phantom Po particles, which are connected to each other by allat phantom Po particle*. Exactly the inclusion of allat





phantom Po particle in the composition of a photon makes it unique, stable and active participant in power interactions. By the way, *allat phantom Po particle will never be on the place of the first head phantom Po particle in any elementary particle, which has it in its composition*. Allat phantom Po particle is always located inside the elementary particle between phantom Po particles as the power base of a given particle.

Photon-3 can transform itself into photon-4, and photon-4 can transform itself into the state of photon-3. How does the process work? The Photon (namely, photon-3 and photon-4) has a unique structure that distinguishes it from any other elementary particle. In particular, it has an unusual first (head) phantom Po particle. If the appropriate conditions arise in the ezoosmic cell that *two head phantom Po particles enter it simultaneously from two opposite directions, (one of which belongs to the photon, and another one to another elementary particle) and they converge to a maximum extent, the following process takes place*.

The head phantom Po particle of the photon due to its high speed in reference to the speed of head phantom Po particle of another elementary particle, rapidly rotates. Thus, it enables the power particle of a photon (allat phantom Po particle), running behind it, to capture from the oncoming elementary particle its head phantom Po particle which is the bearer of all the information about this particular elementary particle. Photon-3, capturing the head phantom Po particle of another elementary particle, appends this information particle to its structure. As a result, photon-3 is converted into photon-4 consisting of four

phantom Po particles. Hereby, that elementary particle, from which the head phantom Po particle was withdrawn, undergoes a destruction, as a result of which the energy is released. In general, such a process of seizing the information by the photon occurs only in the case if exactly a head phantom Po particle of elementary particle passes through this ezoosmic cell, and not other phantom Po particles, that comprise the elementary particle.

When photon-3 knocks the head phantom Po particle out of the elementary particle it turns from "invader" into "transporter", namely, a carrier of information (photon-4). Recalling the associative example with a train and wagons, this is just like a train of three wagons, moving at full speed and capturing a locomotive from an oncoming train. Hence, it turns into a train with two locomotives, one diplomatic wagon and one ordinary wagon until conditions arise in which it will be able to get rid of the locomotive that has been captured into its structure. The remaining wagons of the oncoming train, deprived of the locomotive, are disbanded in depot (the ezoosmic membrane).

PHOTON – 4

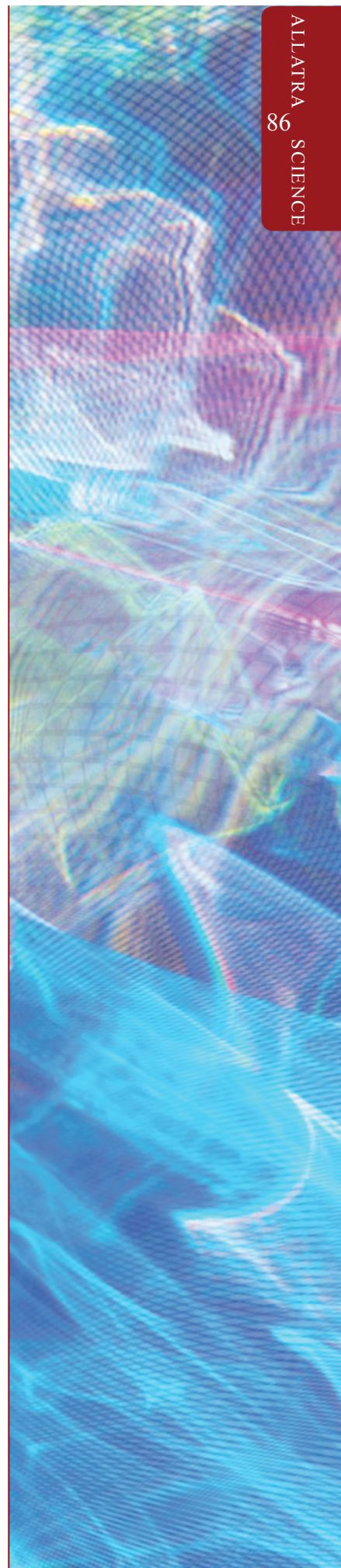
Photon-4 consists of four phantom Po particles: a unique head phantom Po particle, a "borrowed" head phantom Po particle (information particle), an Allat phantom Po particle and a closing phantom Po particle. Namely the inclusion of this "borrowed" head phantom Po particle in the composition of the photon-4, makes its content *full of information*, that is, carrying information about this ("borrowed"), elementary particle. In general, when there is a

plenty of such photons, they carry the information about a particular subject, object, phenomenon and so on. Photon exists in this particular state (photon-4) until similar conditions arise in ezoosmic cell again, when it is released from the "borrowed" head phantom Po particle, i.e. the process of "information reset" occurs. Thus, the head phantom Po particle rotates again, and due to participation of Allat power Po particle in this process, extrusion of the "borrowed" head phantom Po particle within the limits of the own septon field of the oncoming head phantom Po particle of the elementary particle takes place. The photon itself, having undergone the transformation into a state of the photon-3, leaves the ezoosmic cell. The released head phantom Po particle discards information into the own septon field of the real Po particle and into the septon field of the passing head phantom Po particle of the elementary particle (thus enriching their inner potential with the new information) and irretrievably goes into the ezoosmic membrane.

After resetting (transfer) of "borrowed" head phantom Po particle that carries the information, photon-4 turns again into photon-3, that is, goes into its original state in which the multi-variability of different actions is inherent to it. For example, photon-3 can take part in other interactions, make up the elementary particles, and so on. It can disappear (due to ezoosmic membrane) in one place and appear in another place, that is, move in ezoosmic grid at the long ("space") distances almost instantly. Certainly, this is just concise information about the photon, intended for the initial acquaintance. Besides, there

is a lot of unique information obtained in the course of research on regularities and paradoxes of photon behavior patterns in different environments, peculiarities of its wave properties; interactions with other elementary particles, algorithms of control of the photon behavior and much more.

In general, summing up the above information, it can be said that the main function of photon-3 is the energy interactions that are mainly related to the process of destruction of the matter and the release of energy, and the main function of photon-4 is information interactions that are related to the transfer of information. Possessing the knowledge about the functions and peculiarities of photon, the principles of its interaction with other elementary particles and especially with the septon field, it is possible to understand many of the processes of macro- and micro-world in which it is directly involved. Due to this knowledge, it is possible to find answers to many questions. For example, how does a human being actually perceive visual information? What is really a shadow, heat or cold, if to view these processes at the level of ezoosmic grid? As a result of what underlying reasons the destruction of matter that is under a long-term influence of sunlight occurs? What are the peculiarities of photon connection with the gravitational and electromagnetic field? And much more. The knowledge about photon assists in understanding of the root cause of this or that action, that is performed due to involvement of the photon in it, and allows conducting more accurate calculations of photon interactions without using the expensive equipment and machinery.



📖 One of the key philosophical texts of Daoism, called "Lieh Tzu" (I-III cc. AD), has the following lines about the Absolute, how the world which received its name comes from unnamed absolute unity.

*In the beginning there was the great Simplicity,
then the Great Origin appeared,
then the Great Basis appeared,
and after, the great Substantiality appeared.
There was still no breath in the Great Simplicity.
Great Origin was the beginning of breath,
Great Basis was the beginning of all material forms.
Great Substantiality was the beginning of all things.*

Breath, Form and Substance were still not separated from one another; that is called Chaos. Look inside and you will not see, listen to it and you will not hear. Its name is "Simplicity". The Simple has no form, no limits. Having undergone a transformation it becomes One, and from One it becomes Seven, and Seven was transformed into Nine. Here all transformations end and come again to One. And this One is the beginning of transformation of all forms. The pure and subtle went up and formed the Sky, the dirty and heavy went down and formed the Earth, and breath, having pervaded the first and the second, gave birth to a human being. Thus the Sky and the Earth embraced the seed of all living things and everything came to life.

*There are the following lines in the ancient Chinese text "Tao Te Ching" (Chapter 42):
"Tao gave birth to One. One gave birth to Two. Two gave birth to Three. And Three gave birth – to all things. Every substance carries the yin and embraces the yang".*

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NEUTRINO

In the modern physics this elementary particle is called neutrino (Italian word «neutrino», that is diminutive of «neutrone» - «neutron»). Officially, Wolfgang Pauli proposed the hypothetical existence of this particle in 1930. The scientist, trying to explain the apparent violation of the laws of conservation of energy and momentum of quantity motions in the process of beta disintegration of atomic nuclei, as the "last resort", put forward the hypothesis of the existence of a kind of weakly interacting particle in order to explain this process. Based on this hypothesis, a prominent Italian physicist Enrico Fermi (Enrico Fermi; 1901 - 1954) developed a theory

of beta disintegration, the essence of which was that the elementary particle that is still unknown to the science, is emitted during the beta-disintegration, in addition to electron. He gave name to this particle - neutrino. It appeared feasible to confirm the existence of neutrino through the experiments only in 1956.

Neutrino was called an "illusory particle." Today the official science knows not so much about this unique particle, however, it also does not know what kind of particle it actually is. It is believed that neutrino is extremely difficult to detect, and in order to do this, the creation of appropriate con-

ditions and the particular equipment, expensive materials, etc are required. It is known that neutrinos are formed and destroyed as a result of particles disintegration in which the weak nuclear force is involved. Neutrinos interact very weakly with the substance and have a high penetrating capability. It is believed that this particle is emitted during the transformation of atomic nuclei and the disintegration of elementary particles in the bowels of the Earth and its atmosphere, inside the Sun, in other stars, and so on. In laboratory conditions, the nuclear reactors and accelerators of the charged particles are the sources of neutrino. According to scientists' assumptions, a powerful stream of neutrino permeates the entire cosmos. Around a hundred of trillions of these particles permeates every human being every second. Today, the neutrino is considered to be a perspective tool for the study of cosmic objects (including the Earth, the Sun) and as an opportunity of obtaining accurate and timely information, and it has been successfully confirmed by the scientists of ALLATRA SCIENCE group.

IN FACT NEUTRINO is, like photon, one of the smallest and the most com-

mon elementary particles in the Universe. Neutrino consists of 5 phantom Po particles where two phantom Po particles are connected via allat phantom Po particle with two other phantom Po particles.

particle with another one, and because of this elementary particle exhibits a more rough power interaction in the material world. As a part of the neutrino allat phantom Po particle connects two phantom Po particles with another two and because of it this elementary particle exhibits a more subtle interaction in the material world.

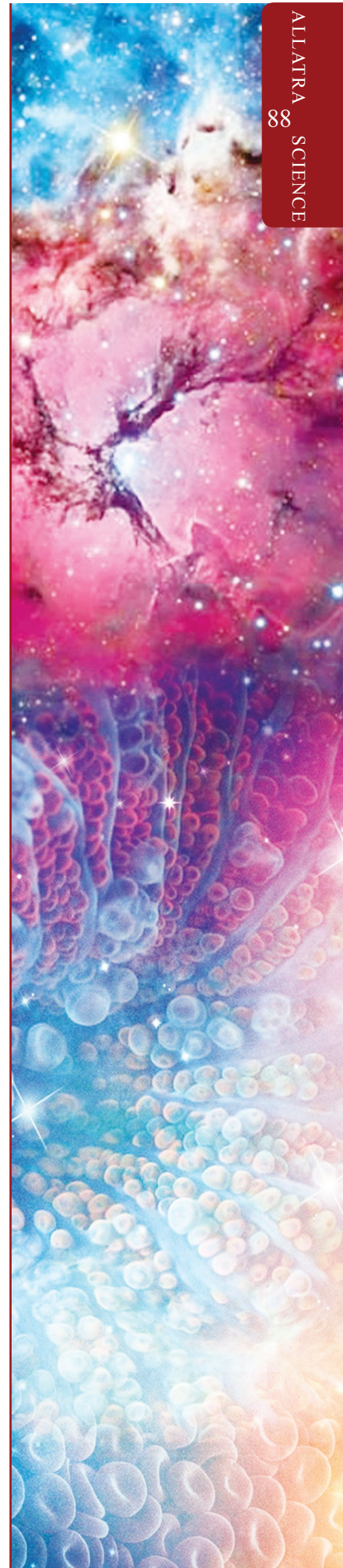
A distinctive feature of neutrino is its all-pervasive effect due its very weak interaction with the matter. Its main function is to transfer "internal information" about the objects. However, unlike the photon it does not destroy the elementary particles which the object comprises. Passing through the object, the neutrino only reads information from the head phantom Po particles of elementary particles that make up some particular object (just like a real Po particle does). Thus, the neutrino stream becomes a carrier of information about *the internal structure and the state* of objects and phenomena, unlike the streams of photons, which mainly carry the information about *the external state* of objects or events. Neutrino carries information about the inner structure and state of the matter from which it is released (it withdraws from the

Name	Symbol	Number of phantom Po particles
neutrino	ν	5

The following fact, related to a power particle – allat phantom Po particle, is especially worth paying attention to. As part of the photon-3, allat phantom Po particle connects one phantom Po

composition of complex elementary particles), and partly carries the information about the matter, through which it passes. In the latter case, the neutrino exchanges information with the head phantom Po particles of the elementary particles, which constitute the object.

Neutrino can exist in several states, but unlike photons, it will not change quantitative composition of phantom





Po particles (it will always be permanent - 5 phantom Po particles). The neutrino can transform itself from one state to another, depending on whether it is in the composition of complex elementary particle or exists by itself. In the latter case, different states are also inherent to it, based on whether it is currently the information carrier or does not bear the information about other objects. If, currently, neutrino is a carrier of information - it is possible to detect and record this particle in third dimension.

Neutrino is a special elementary particle. Due to its all-pervasive character, streams of neutrino permeate the Earth, the Sun, cosmic space, other space objects, and are the carriers of the unique information about the state of these objects. Recent studies in the field of physics of elementary particles, neutrino geophysics and neutrino astrophysics, conducted by the working group of scientists of ALLATRA International Public Movement reveals more opportunities for prospective basic and applied research. During the study, the

important influence of cosmic factors on the activation of the internal dynamics of the Earth is detected... Due to the knowledge of the PRIMORDIAL ALLATRA PHYSICS, the opportunity arose not only to fundamentally examine the behavior of neutrinos emanating from the bowels of the Earth and the Earth's own septon field, to calculate certain correlations, but also to elaborate new methods for the forecasting of the volcanic eruptions, to conduct a more detailed study of modern magmatic formations of geodynamic conditions. Moreover, an opportunity arose to have a direct impact on these processes by means of climate and volcanic geoengineering. Due to the PRIMORDIAL ALLATRA PHYSICS, it can be confidently proclaimed today that it is quite feasible to control the natural processes. *(Note: for more details see the Report "On the Problems and Consequences of Global Climate Change on Earth. Effective Ways to Solve These Problems" – <http://allatra.org/reports/o-problemah-i-posledstvijah-globalno-go-izmenenija-klimata-na-zemle>).*

ELECTRON

Despite the fact that the electron is the first discovered elementary particle in physics (by an English physicist Joseph Thomson in 1897), the nature of electron remains mysterious to scientists until now. The theory of electron is considered to be incomplete because the inner logical contradictions are inherent to it and there are many questions to which the official science has no answers yet. An Irish physicist George Stoney (1826 - 1911) has suggested the name to this elementary particle

in 1891 as «the fundamental unit of electricity measurement». The word "electron" comes from the Greek word «electron», that means "amber". (As it is known, the amber - is a hardened fossilized resin. By friction, amber acquires an electric charge, and attracts the light bodies. This characteristic of amber has been known since ancient times to different peoples. For example, judging by the extant data, the properties of the amber have been known to people as early as 600 BC). The scientists

have decided among themselves to consider the electric charge of the electron to be a negative one, in accordance with an earlier agreement to recognize the charge of the electrified amber as a negative one.

Electron is a constituent of the atom, one of the main structural elements of substance. The electrons form the electron shells of atoms of all currently known chemical elements. They are involved in almost all electrical phenomena, which are now known to the scientists. However, the official science still cannot explain what the electricity actually is, resorting to common phrases that it is, for example, "a set of phenomena caused by the existence, movement and interaction of charged bodies or particles, carriers of electric charge." It is known that electricity is not a continuous stream but is transferred *in portions - discretely*.

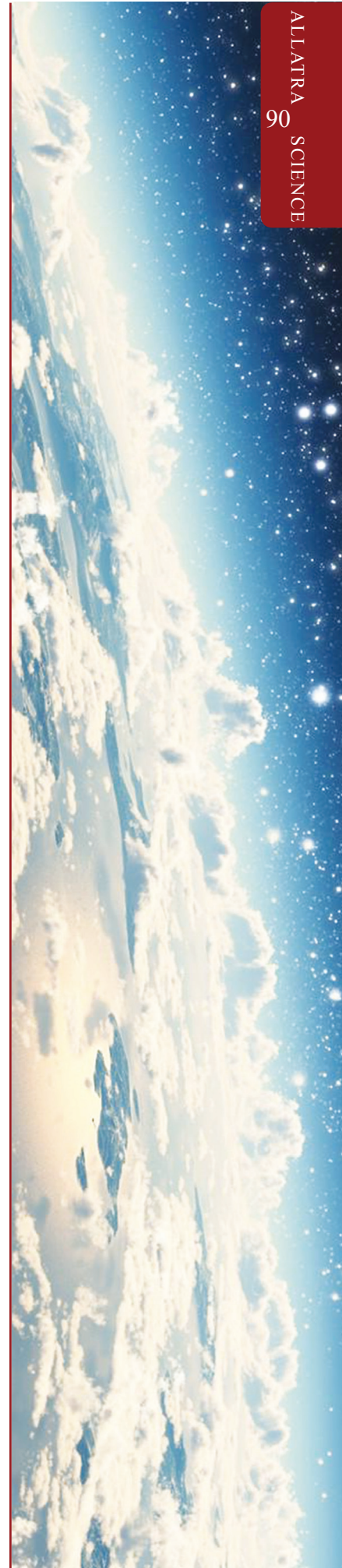
perimentally confirmed in 1927 by American scientists Clinton Davisson (1881-1958) and Lester Germer (1896 -1971) during the examination of electron diffraction.


The word "diffraction" is derived from the Latin word «diffractus», which literally means "broken, crushed, curving the obstacles by waves." Diffraction is the phenomenon of wave dissemination, for example, of a light beam, when passing through a narrow hole or when in contact with the edge of the obstacle. The idea of a wave nature of the electron constituted the basis for the development of wave mechanics by an Austrian theoretical physicist, Erwin Schrodinger (Erwin Schrödinger; 1887-1961) in 1926 who was one of the founders of quantum mechanics. Since then, the official science is only making a slight progress in the study on the nature of the electron.

Name	Symbol	Number of phantom Po particles
electron	e_{-1}^0	13

Almost all the main data about electron, which science operates with until now, had been acquired at the turn of the end of XIX - early XX centuries. In particular, this concerns the idea of the wave nature of the electron, (it is enough to recall the work of Nikola Tesla and his study on the generation and wireless transmission of energy at a distance). However, according to *the official history of physics*, the idea of the wave nature of the electron was put forward in 1924 by the French physicist-theorist, one of the founders of quantum mechanics, Louis de Broglie (1892 - 1987; a son of a famous aristocratic family in France). The idea was ex-

IN FACT, ELECTRON consists of 13 phantom Po particles and has a unique structure. The detailed knowledge about the electron is omitted here on purpose, because information is presented publicly and this knowledge can be dangerous if it gets into the hands of people who want to create a new type of weapon. We note only that electron has unusual properties. What is known today under the name of electricity - it is, in fact, a particular condition of the septon field, in the processes of which electron is involved along with its other additional "components" in most cases.



 Interesting information indicating the uniqueness of the electron was presented in the book AllatRa:

“Anastasia: How can the Observer make changes with an act of observation?”

Rigden: To make an answer to this question clear, let's take a journey into quantum physics. The more scientists study questions posed by this science, the more they come to the conclusion that everything is very closely interconnected in the world and exists non-locally. For example, elementary particles are interconnected. According to the theory of quantum physics, if a simultaneous formation of two particles takes place, they will not only be in the “superposition” state, that is, in many places at the same time. A change of the state of one particle will also lead to an instant change of the state of the other particle, no matter how far it is located from it, even if this distance exceeds the range of action of all the natural forces known to modern mankind.

Anastasia: What is the secret of this instant interconnection?”

Rigden: I shall explain in a moment. Let us, for instance, take a look at the electron. It consists of information building blocks (or “Po grains” as they were called by the ancient people), which define its basic characteristics and determine its inner potential, among other things. According to modern concepts, the electron moves around the nucleus of the atom as if along a “stationary orbit” (orbital). To be more specific, its motion is already presented not in the form of a material point with a predetermined path, but in the form of the electron cloud (a conventional image of the electron “smeared” throughout the whole volume of the atom), which has areas of thickening and discharge of the electric charge. The electron cloud as such has no clear boundaries. The orbit (orbital) is referred to not as a movement of the electron in a particular line but as a certain part of space, an area around the nucleus of the atom, which has the most likely location of the electron in the atom (atomic orbital) or in the molecule (molecular orbital).

It is the difference between the inner potential and the external charge that creates such orbitals. The quality of the inner energy (potential) characterises a material object. In other words, using the language of modern science, such electron shells (orbitals) of atoms determine electrical, optical, magnetic, and chemical properties of atoms and molecules as well as most of the properties of

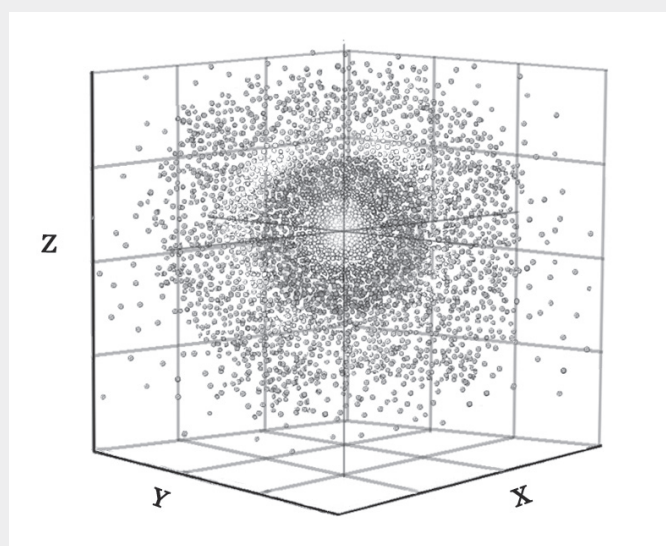


Figure 2. **The electron cloud of the hydrogen atom:** an area of the three-dimensional space around the atom nucleus which retains the most likely location of the electron.

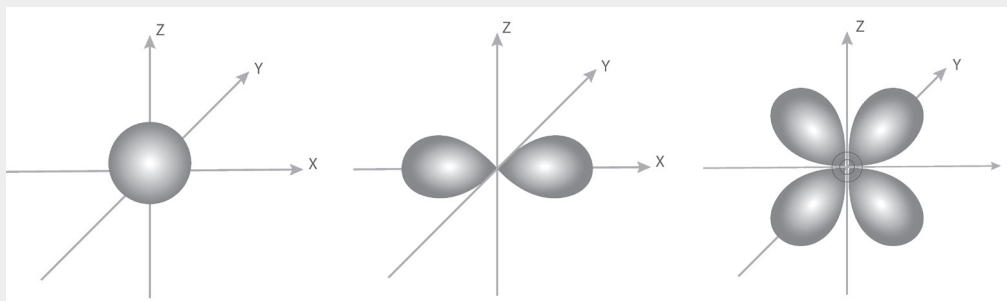


Figure 3. *Various shapes of atomic orbitals* (the “geometry” of quantum chemistry)

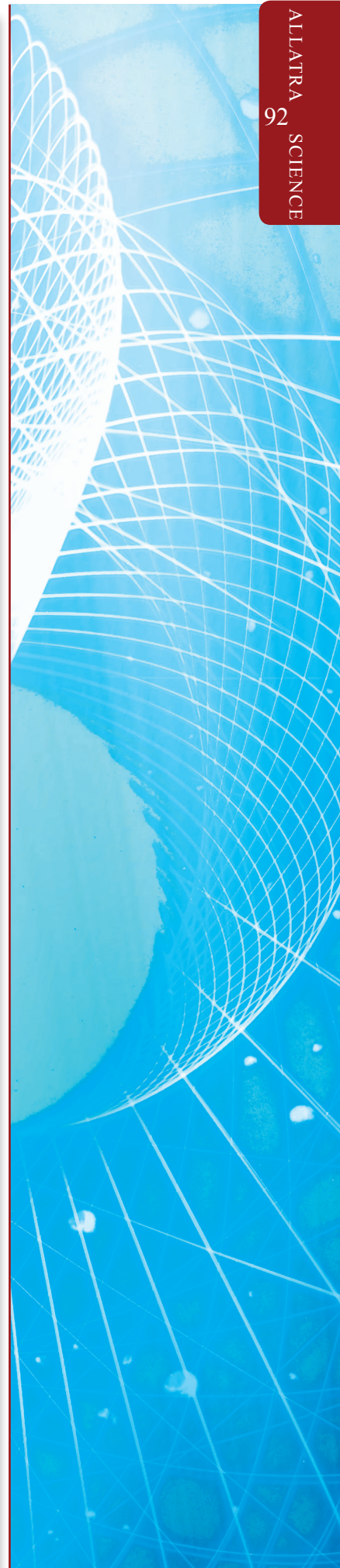
- 1) *s Orbital is a spherical shaped atomic orbital (the circle sign);*
- 2) *p Orbital is dumb-bell shaped or double-pear shaped (the infinity sign);*
- 3) *d Orbital has the form of a four-leafed flower (the sign of the diagonal cross).*

solid bodies, depending on the number and the position of electrons on them. The shape of the electron cloud, as we remember from chemistry classes at school, can be different.

So as it is known, the electron can exist in two states simultaneously in the material world – as a particle and as a wave. It can manifest itself in different places at the same time, according, again, to quantum physics. Leaving or, rather, disappearing from its nuclear orbit, the electron moves instantly, that is, it disappears here and appears on another orbit.

*But the most interesting thing here is what scientists do not yet know. Consider, for example, an electron of the hydrogen atom, which is an element that is a part of water; living organisms, and natural resources. It is also one of the most common elements in space. The atomic orbital that surrounds the nucleus of the hydrogen atom is spherical shaped. This is what the present day science can detect. But scientists do not yet know that the electron itself is twisted into a helix (spiral). **Moreover, depending on the charge location, this helix (one and the same) can be both left-handed and right-handed. It is thanks to this spiral shape and a change of location of charge concentration that this electron goes easily from the particle state to a wave and vice versa.***

Here is a figurative example. Imagine that you have an orange in your hands. Using a knife, you carefully remove the whole peel from it in a circle like a spiral, moving from one of its vertices, let's say conventionally, from point A to another one – point B. If you separate this peel from the orange, then in the usual folded state it will be spherical-shaped, echoing contours of the orange. If stretched, it will be similar to a wave-like rope. So in our figurative example, the orange peel will represent the electron helix, on the surface of which there is an external charge in the area of point A, while the internal charge is in the area of point B on the inside (on the white side of the peel). Any external change in point A (on the orange side of the peel) will lead to the same instant internal change, but which will be opposite in the power and influence, in the point located on the white side of the peel under point B. As soon as the external electron charge decreases, the helix becomes stretched under the influence of the internal potential, and the electron goes into the wave state. When the external charge reappears, which is formed due to an interaction of waves with matter, the helix compresses, and the electron goes into particle state again. In the particle state, the electron has a negative external charge and a left-handed helix, and in the wave state it has a right-handed helix and a positive external charge. All this transformation happens due to ezoosmos.



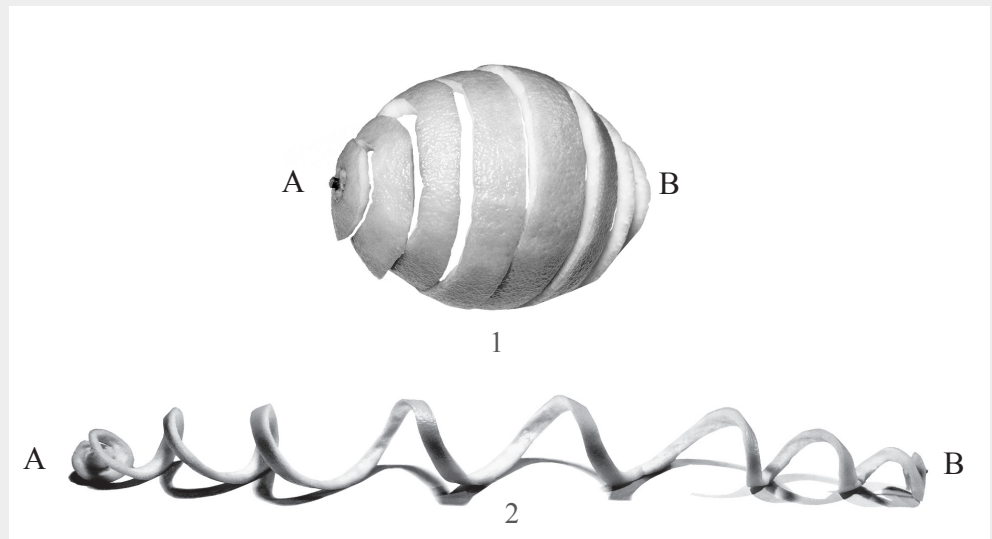


Figure 4. **Figurative example of the electron transformation from a particle into a wave:** 1) the particle state; 2) the wave state.

The Observer from the perspective of a three-dimensional world can see the electron as a particle if certain technical conditions are created. But the Observer from the perspective of higher dimensions, who will see our material world in the form of energies, will be able to observe another structure of the electron. In particular, the information building blocks that make up that electron will only show the properties of energy waves (of a stretched helix). Besides, this wave will be infinite in space. Simply put, the position of the electron is such in the overall system of reality that it will be located everywhere in the material world.

Anastasia: Could you say that it will exist regardless of whether we see it as Observers of a three-dimensional world or not?

Rigden: Yes. In order to understand this, let's consider another example with a mirror. Suppose that several basic information building blocks form a structure that represents a local point, some object. We put it in the middle of a room, in which a multitude of mirrors is placed under a certain angle in such a way that it is reflected in each of them. So, the object is in the middle of the room, and it is reflected in every mirror. Also, we see it, and, therefore, information about it exists in our minds. In short, the information about the object exists simultaneously in several places. If we remove one of the mirrors, we will not observe this object in that place. But when we return the mirror, it will reappear. So, in fact, information about it has not disappeared. It is just that we see the object under certain conditions of manifestation of information, and once conditions have changed, we no longer see it. Objectively, however, this object continues to exist in that place in terms of information. The reflection may have a continuous flow, so it means that this object exists in each point of this room (and, incidentally, not only of the room but also of the space outside the limits of the room), regardless of whether we see it or not.

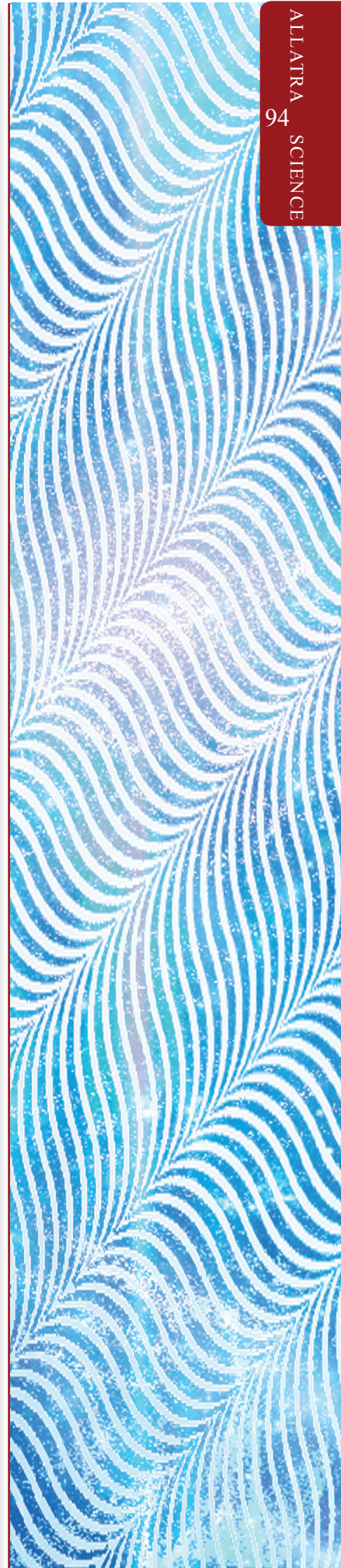
According to quantum physics, the existence of the electron in the particle state depends on the very act of measurement or observation. In other words, the electron that has not been measured and that is not being observed behaves not as a particle but as a wave. In this case, there is a whole probability field for it, as it exists here and now in many places simultaneously, that is, in the superposition state. At that, despite the fact that the electron has multiple positions, it will be one and the same electron and the same wave.

The superposition is the ability to simultaneously exist in all the possible alternative states until a choice is made, until the Observer makes a measurement (a calculation of the given object). As soon as the Observer focuses his or her attention on the behaviour of the electron, it, I mean the electron, immediately collapses into a particle, that is, it transforms from a wave into a material object, the position of which can be localised. In short, after the measurement, so to say, after the choice of the Observer, one object will only exist in one place.

Anastasia: *Oh, that is interesting information! The findings of quantum physics, as it turns out, are valuable for those who are engaged in self-perfection. This explains in a way why a person fails at meditation. After all, what helps to, so to speak, “materialise” the process of meditation, in other words, what helps the transition from the wave state to the material state, in which energy once again acquires the properties of matter? It is observation and control from the Animal nature. In other words, meditation fails when the mental processes which are typical of the usual, everyday state of consciousness become active. In this case, the brain is always trying to identify something and localise an object of observation. This situation develops when the Personality does not immerse itself sufficiently into an altered state of consciousness during a meditation or when it loses control over this state. This allows the Animal nature to intervene in the process of observation. Associative images appear as a result of it, and the Truth gets lost. The wave transforms into matter. But as soon as you “turn off the brain” with its thought processes and fully enter into a meditation, thanks to a manifestation of your deep feelings, then an expansion of consciousness takes place, and the matter observed from the Spiritual nature turns into a wave. You merge with the true reality of the world, you become one with it and at the same time you feel all its diversity, like you are many and you’re everywhere. This is when a real meditation happens as the process of knowing the Truth.*

Rigden: *Absolutely. The world of the Animal nature is the world of dominance of matter and its laws. The world of God is the world of perfect energies. When you meditate, when you are in an altered state of consciousness, you then become a part of the process, a part of the divine manifestation here. As soon as the Observer from the Animal nature activates, you think that you gain control over matter. In fact, it is matter (the Animal Mind) that gains control over you. As a result, you become a more manifested material object, in fact, you turn into a corpuscular object of general matter (corpuscle, from Latin corpusculum meaning “body”, “the smallest particle of matter”) and obey its laws. If you switch to the wave state, you become a part of the divine manifestation in this world, that is, an Observer from the Spiritual nature. That is why they say: what you have more, so shall you be.*

In the state of meditation, ordinary perception disappears. The consciousness of an experienced practitioner, particularly if we consider his or her state in the “Lotus Flower” spiritual practice, expands beyond the boundaries of the familiar world. Man feels that he is simultaneously everywhere. You can say that the superposition of quantum physics, an acquisition of the wave state is the same as an acquisition in a meditation of the state of exit to higher dimensions, in which matter is already absent. The superposition in the state of meditation is when you “see”, meaning that you feel with the deepest feelings, the whole world and its diverse manifestations. But as soon as the Observer focuses on an object, his consciousness becomes narrowed and limited by the observed object. That is, once you make a choice and focus on specific details, the wave transforms into matter. After all, when you concentrate on details, the comprehensive perception disappears, and only details remain. Thoughts from the Animal nature are a kind of a tool, a power to materialise objects, while



feelings from the Spiritual nature are a force for expanding consciousness and accessing higher dimensions.

Anastasia: *Yes, how complex this world is and how obvious in it can simple things be.*

Rigden: *Now, regarding quantum physics... On the one hand, the notion of the Observer has expanded the boundaries of scientific knowledge, but on the other, it has brought them to a deadlock. After all, the perspective of the Superobserver proves that a tremendous force exists which can influence from the outside the Universe, all its objects, and all the processes taking place in it.*

Anastasia: *So in fact, this is another way to prove scientifically the existence of God?*

Rigden: *Yes. Man has a Soul as a part of the divine power. The more he transforms his inner world, the more his Personality fuses with the Soul, unfolding before God, and the more he becomes spiritually stronger and gets the ability to influence the physical world from higher dimensions. The more such people there are, the greater this influence is. The Superobserver is God, who can influence everything. Man as an Observer from the Spiritual nature is the Observer who can interfere in the processes of the world and change them at the microlevel. Of course, certain manipulations with matter are accessible to people from the perspective of the Observer from the Animal nature. But man gets the real power of influence only when his Observer from the Spiritual nature activates."*

VERIFICATION OF KNOWN FORMULAS AND REACTIONS

Due to the knowledge of the PRIMORDIAL ALLATRA PHYSICS, it is possible today to verify different reactions and formulas by the easy and available means, without resorting to costly experiments, basically, as the same way these calculations were conducted in ancient times. Having this information, it is possible to compute any reaction, for example, of the nuclear disintegration or fusion, to identify inconsistencies and find the right solution. Let us consider the available and understandable example of such calculation, using the knowledge about the quantitative composition of the phantom Po particles in the currently known elementary particles.

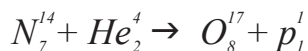
First, let's make a little journey into the basics of modern nuclear physics. As a result of development of modern sci-

ence we got a lot of indirect evidence of complex structure of atomic nucleus and we got an understanding of common nature of structural elements of all known atoms. The nucleus of the atom turned out to be strong enough, well protected against external influences with the electron shell of an atom. It was found out that the pressure up to the thousands of atmospheres deforms the outer electron shell only to a slight extent. Moreover, heating to several thousand degrees results in only partial ionization of an atom. The same partial ionization is observed in the electric discharge at voltages in the tens or hundreds of thousands of volts. Visible radiation affects only the outer electrons. Even X-rays, that are more tight, while working on the inner shell electrons, possess quantum energy that is usually insufficient to affect the nucleus.


References: Зисман Г.А., Тодес О.М. Курс общей физики. Том III. Оптика. Физика атомов и молекул. Физика атомного ядра и микрочастиц (4-е издание). [Zisman, G.A., Todes, O.M. Course of General Physics. Vol. 3. Optics. Physics of atoms and molecules. Physics of atomic nucleus and micro particles (4th edition)] Moscow: Nauka, 1970 [In Russian].

In order to understand the structure of the nucleus, so to say to "look inside" the atom, it was necessary to apply more effective methods of stronger effect. A solution was found - to hit nuclei by such particles that, on the one hand, are small enough to penetrate into the nucleus, but, on the other hand, possess sufficient energy to disintegrate the nucleus. The discovery of radioactivity, obtaining the products of radioactive disintegration facilitated the discovery of such particles, which were called alpha particles. According to the official history of physics, the first artificial nuclear

reaction (artificial transformation of nuclei) was performed in 1919 by a British physicist Ernest Reserford during the hitting of nitrogen nuclei with alpha particles (positively charged particles which are formed by two protons and two neutrons, that is by the nucleus of geliy- 4). As a result of the collision of particles the nuclear reaction took place as follows:



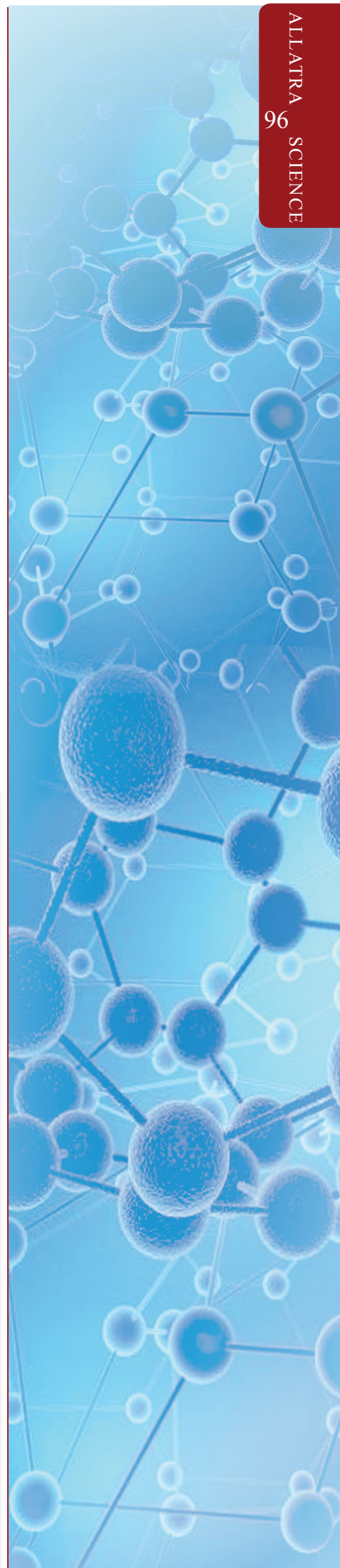
Using the example of this reaction, further we will view the process of detailed calculation of the amount of the phantom Po particles in the nuclei of atoms. Due to the computation of the amount of phantom Po particles, it is also possible to accurately verify the results of any nuclear reaction and to calculate, in a whole, the outcome of any nuclear transformations.

 *A nuclear reaction is a process during which atomic nuclei undergo transformation as a result of their interaction with elementary particles, nuclei of other atoms (in the present case under the name of atom the smallest part of a chemical element is meant). This process is accompanied by corpuscular and electromagnetic radiation. The sum of the charges and mass numbers of the original maternal nucleus and a particle that interacts with them is equal to the sum of the charges and the mass numbers of the newly formed nucleus and the particles produced by the reaction. In nature, the nuclear reactions occur under particular conditions. For example, according to the contemporary concepts, fusion reactions can occur naturally in the interior of stars and at a temperature of several million degrees. On Earth, the nuclear reactions often take place in the atmosphere and the lithosphere due to cosmic radiation and the activity of nuclear-active particles in the upper spheres of the Earth (the thermosphere and exosphere).*

Today`s artificial nuclear reactions that are carried out by man, are conducted using a particular equipment. For example, some facilities (for instance, the particle accelerators) allow a so-called "hitting" of the nuclei of some elements by the nuclei of other elements or by speedy/rapid elementary particles. In this way, changes that take place in the nuclei are identified and elementary particles that are produced following this process.

The results of nuclear transformations are recorded in special formulas, that denote the nuclei of atoms which were involved in the reaction and which nuclei were produced as a result of it.

References: Широков Ю.М., Юдин Н.П. Ядерная физика (2-е изд.) [Shirokov, U.M., Udin, N.P. Nuclear physics (2nd edition)] Moscow: Nauka, 1980 [In Russian]; Заборенко К. Б. Метод радиоактивных индикаторов в химии: учебное пособие для хим. спец. вузов [Zaborenko, K.B. Method of radioactive indicators in chemistry: study guide for higher educational institutions specializing in chemistry] Moscow: Vysshaya shkola., 1964 [In Russian]; Mladenović, Milorad. The History of Early Nuclear Physics (1896-1931). World Scientific, 1992.



THE COMPOSITION OF THE NUCLEUS OF THE ATOM. A CALCULATION OF PROTONS AND NEUTRONS

According to the modern concepts, the atom consists of a nucleus and electrons that surround it. The nucleus of the atom, in its turn, consists of smaller elementary particles - a certain number of **protons** and **neutrons** (which are commonly referred to as nucleons), interconnected by nuclear forces.

The number of protons in the nucleus determines the structure of the electron shell of an atom. And, the electron shell determines the physical and chemical properties of the substance. The number of protons corresponds to the serial number of an atom in the periodic system of chemical elements developed by Mendeleev, also known as the charged number, atomic number, atomic numeral. For example, the atom of helium has 2 protons. It is placed under number 2 in the periodic system, and is denoted as He₂. The Latin letter Z is used as a symbol to indicate the number of protons. When recording the formulas, often the number, indicating the amount of protons, is located below the symbol of the element either to the right, or to the left: He_2 / ${}_2He$.

The number of neutrons corresponds to a certain isotope of this or that element. Isotopes are the elements with the equal atomic number (the equal number of protons and electrons) but with different mass numbers. **The mass number** is the total number of neutrons and protons in the nucleus of an atom (is denoted by a Latin letter A). When recording the formulas the mass number is indicated at the top of the element symbol on one side or another: He_2^4 / ${}_2^4He$ (helium isotope is helium -4).

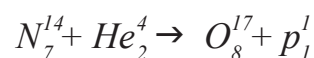
Thus, to identify the number of neutrons in a particular isotope, the number of protons should be subtracted from the total mass number. For example, we know that an atom of he-

lium-4 He_2^4 has 4 elementary particles as the mass number of the isotope is 4. At the same time, we know that He_2^4 has 2 protons. Having subtracted 2 (the number of protons) from 4 (the total mass number) we get 2- the number of neutrons in the nucleus of helium-4.

PROCESS OF CALCULATION OF THE NUMBER OF PHANTOM PO PARTICLES IN NUCLEUS OF THE ATOM

As an example, it is no coincidence that we have considered Helium-4 (He_2^4), the nucleus of which consists of two protons and two neutrons. As helium-4 nucleus, called as alpha particle (**α -particle**), has the highest efficiency in nuclear reactions, it is often used for experiments in this direction. It is worth noting that symbol α is often used instead of He_2^4 in the formulas of the nuclear reactions.

Reserford conducted the first reaction of nuclear transformation that is known in the official history of physics, exactly with the involvement of alpha particles. In the course of reaction, the nucleus of the isotope of nitrogen (N_7^{14}) were "hit" by α -particles (He_2^4) and as a result isotope of oxygen (O_8^{17}) and one proton (p_1^1) were produced. This nuclear reaction is as follows:



We conduct a calculation of the number of phantom Po particles before and after this transformation.

THE FOLLOWING STEPS ARE REQUIRED TO CALCULATE THE NUMBER OF PHANTOM PO PARTICLES

Step 1. To calculate the number of neutrons and protons in each nucleus:

- The number of protons is in the bottom indicator;
- We will get the number of neutrons, by subtracting the number of protons (the lower indicator) from the total mass number (top indicator).

Step 2. To calculate the number of phantom Po particles in nucleus of the atom:

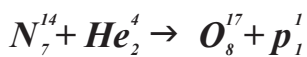
- to multiply the number of protons by the number of phantom Po particles contained in one proton
- to multiply the number of neutrons by the number of phantom Po particles contained in one neutron;

Step 3. To sum up the number of phantom Po particles:

- to sum up the number of phantom Po particles thus calculated in the protons with the calculated number of phantom Po particles in the neutrons in the nuclei before the reaction;
- to sum up the number of phantom Po particles thus calculated in the protons with calculated number of phantom Po particles in the neutrons in the nuclei after the reaction.
- to compare the number of phantom Po particles before the reaction with the number of phantom Po particles after reaction.

EXAMPLE OF DETAILED CALCULATION OF THE NUMBER OF PHANTOM PO PARTICLES IN ATOMIC NUCLEI.

(The nuclear reaction with α -particles (He_2^4), conducted by E. Reserford in 1919)



BEFORE THE REACTION: ($N_7^{14} + He_2^4$)

- N_7^{14}
- Number of protons: 7
- Number of neutrons: $14 - 7 = 7$
- Number of phantom Po particles:
- In 1 proton there are 12 Po,
- hence in 7 protons: $(12 \times 7) = 84$;
- In 1 neutron there are 33 Po,
- hence in 7 neutrons: $(33 \times 7) = 231$;
- The total number of phantom Po particles in nucleon is: $84 + 231 = 315$



- Number of protons: 2
- Number of neutrons: $4 - 2 = 2$
- Number of phantom Po particles
- In 1 proton there are 12 Po,

hence in 2 protons: $(12 \times 2) = 24$;
 In 1 neutron there are 33 Po,
 hence in 2 neutrons: $(33 \times 2) = 66$;
 The total number of phantom Po particles in nucleon is: $24 + 66 = 90$

The number of phantom Po particles before the reaction

$$N_7^{14} + He_2^4$$

$$315 + 90 = 405$$

AFTER THE REACTION ($O_8^{17} + p_1^1$):

- O_8^{17}
- Number of protons: 8
- Number of neutrons: $17 - 8 = 9$
- Number of phantom Po particles
- In 1 proton there are 12 Po,
- hence in 8 protons: $(12 \times 8) = 96$;
- In 1 neutron there are 33 Po,
- hence in 9 neutrons: $(9 \times 33) = 297$
- The total number of phantom Po particles the nucleus is: $96 + 297 = 393$



- Number of protons: 1
- Number of neutrons: $1 - 1 = 0$
- Number of phantom Po particles
- There are 12 Po in 1 proton.
- There are no neutrons.
- Total number of phantom Po particles in nucleon is **12**

Totally, the number of phantom Po particles after reaction is:

$$(O_8^{17} + p_1^1):$$

$$393 + 12 = 405$$

Let us compare the number of phantom Po particles before and after the reaction:

Before	=	After
405	=	405

The number of phantom Po particles before and after the reaction is equal.

HERE IS AN EXAMPLE OF THE CONCISE FORM OF CALCULATING THE NUMBER OF PHANTOM PO PARTICLES IN NUCLEAR REACTION.

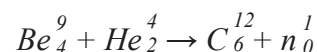
Here and further the calculations of the number of phantom Po particles are given in a concise form, which displays the



total number of phantom Po particles in each nucleus as well as their sum before and after the reaction.

The well-known nuclear reaction is the reaction of interaction of α -particles with an isotope of beryllium, in the course of which neutron was discovered for the first time. It manifested itself as an independent particle as a result of nuclear transformation. This reaction was carried out in 1932 by an English

physicist James Chedwick. The formula of the reaction is:



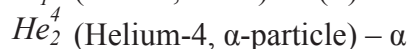
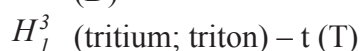
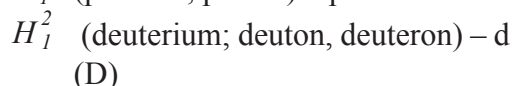
213 + 90 → 270 + 33 — the number of the phantom Po particles in each nucleus

303 = 303 – the total number of phantom Po particles before and after reaction

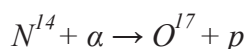
The number of phantom Po particles before and after reaction is equal.

FORMATS OF NUCLEAR REACTIONS RECORDING

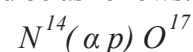
The recording format of nuclear reactions could be different, depending on the symbols used. For example, often there are the following formats of recording:



It is also worth noting that the atomic number of the element can be omitted when recording the nuclear reaction, and only a total mass number is indicated, pointing to the isotope. For example, the above mentioned formula can be written as follows:



In addition, the following abbreviated recording of formula of nuclear reaction is adopted in nuclear chemistry: A (a, b) B, where A - is the initial nucleus; B –the nucleus that is produced as a result of reaction; a is a particle which interacted with the nucleus; b - is a particle, produced as a result of interaction (thrown out from the nucleus). The above formula in this case would be as follows:



We will further (see tables below) consider several types of nuclear reactions and calculate the number of phantom Po particles. There is a full recording of the reaction and the calculation of phantom Po particles in the second column of the table. There is an example of the reaction the way it is recorded in the literature in the third column. The literary sources are below the table indicating the page where the reaction formula is.

HERE ARE THE FORMULAS OF THE REACTIONS WHICH ARE IN THE BASIS OF A CONTROLLED THERMONUCLEAR FUSION

Reaction:	$H_1^2 + H_1^2 \rightarrow He_2^3 + n_0^1$	d + d → ³He + n
Verification:	45 + 45 → 57 + 33 90 = 90	
Reaction:	$H_1^2 + H_1^2 \rightarrow H_1^3 + p_1^1$	d + d → t + p
Verification::	45 + 45 → 78 + 12 90 = 90	
Reaction:	$H_1^2 + H_1^3 \rightarrow He_2^4 + n_0^1$	d + t → ⁴He + n
Verification:	45 + 78 → 90 + 33 123 = 123	

FORMULAS OF PROTON-PROTON CHAIN REACTIONS (PP-CYCLE)

Proton-proton chain is a cycle of thermonuclear reactions occurring in stars as a result of which hydrogen is converted into helium. According to the perceptions of modern nuclear physics, pp -cycle is the main source of the sun energy.

Reaction:	$H_1^2 + p_1^1 \rightarrow He_2^3 + \gamma$	$H^1 + H^2 \rightarrow He^3 + \gamma$
Verification:	$45 + 12 \rightarrow 57 + 3$ 57 ≠ 60	
Correct:	$H_1^2 + p_1^1 \rightarrow He_2^3$ 57 = 57	
Reaction:	$He_2^3 + He_2^4 \rightarrow Be_4^7 + \gamma$	$He^3 + He^4 \rightarrow Be^7 + \gamma$
Verification:	$57 + 90 \rightarrow 147 + 3$ 147 ≠ 150	
Correct:	$He_2^3 + He_2^4 \rightarrow Be_4^7$ 147 = 147	
Reaction:	$Li_3^7 + p_1^1 \rightarrow He_2^4 + He_2^4$	$H^1 + Li^7 \rightarrow 2He^4$
Verification:	$168 + 12 \rightarrow 90 + 90$ 180 = 180	

References: Путилов К.А., Фабрикант В.А. Курс физики. В 3-х томах. Том 3. [Putilov, K.A., Fabrikant V.A. Course of Physics. In 3 volumes. Vol. 3] Moscow: FIZMATGIZ, 1963. P. 626 [In Russian]

THE FORMULAS OF REACTION OF THE CARBON CYCLE (CN-CYCLE)

The carbon cycle is the sequence of thermonuclear reactions in stars as a result of which helium is produced from hydrogen. Carbon, nitrogen, oxygen, flourine are involved as catalysts in reactions of this type. The carbon cycle is considered to be the source of energy of massive stars in the early stages of their existence.

Reaction:	$C_6^{12} + p_1^1 \rightarrow N_7^{13} + \gamma$	${}_6C^{12} + {}_1H^1 \rightarrow {}_7N^{13} + \gamma$
Verification:	$270 + 12 \rightarrow 282 + 3$ 282 ≠ 285	
Correct:	$C_6^{12} + p_1^1 \rightarrow N_7^{13}$ 282 = 282	
Reaction:	$C_6^{13} + p_1^1 \rightarrow N_7^{14} + \gamma$	${}_6C^{13} + {}_1H^1 \rightarrow {}_7N^{14} + \gamma$
Verification:	$303 + 12 \rightarrow 315 + 3$ 315 ≠ 318	
Correct:	$C_6^{13} + p_1^1 \rightarrow N_7^{14}$ 315 = 315	

Reaction:	$N_7^{14} + p_1^1 \rightarrow O_8^{15} + \gamma$	${}_7N^{14} + {}_1H^1 \rightarrow {}_8O^{15} + \gamma$
Verification:	$315 + 12 \rightarrow 327 + 3$ $327 \neq 330$	
Correct:	$N_7^{14} + p_1^1 \rightarrow O_8^{15}$ $327 = 327$	

References: *Физика космоса / глав. ред. Сюняев Р.А. Издание второе, переработанное и дополненное. [Physics of Space/ head editor – R.A. Sunyaev. Second edition, corrected and enlarged] Moscow: Soviet Encyclopedia, 1986 [In Russian]; Савельев И.В. Курс общей физики. Т.3. Оптика, атомная физика, физика атомного ядра, [Saveliev, I.V. Course of General Physics. Vol.3. Optics, atomic physics, physics of atomic nucleus] Moscow: Nauka, 1970 [In Russian].*

FORMULAS OF PHOTONUCLEAR REACTIONS

The processes of interaction of high-energy photons with the nucleus, accompanied by emission of one or more gamma quanta, neutrons, protons, and others are called photonuclear reactions.

Reaction:	$\gamma + H_1^2 \rightarrow n_0^1 + p_1^1$	$\gamma + {}^2H \rightarrow {}^1H + n$
Verification:	$3 + 45 \rightarrow 33 + 12$ $48 \neq 45$	
Correct:	$\gamma + H_1^2 \rightarrow n_0^1 + p_1^1 + \gamma$ $48 = 48$	
Reaction:	$\gamma + Be_4^9 \rightarrow 2He_2^4 + n_0^1$	${}^9Be(\gamma, n)2\alpha$
Verification:	$3 + 213 \rightarrow 180 + 33$ $216 \neq 213$	
Correct:	$\gamma + Be_4^9 \rightarrow 2He_2^4 + n_0^1 + \gamma$ $216 = 216$	

References: *Давыдов А.С. Теория атомного ядра. [Davydov, A.S. Theory of Atomic Nucleus] Moscow: State publishing house of physic-mathematical literature, 1958 [In Russian]; Byrne, James. Neutrons, Nuclei and Matter: An Exploration of the Physics of Slow Neutrons. Dover Publications, 2011.P. 17; Lieser, Karl Heinrich. Nuclear and Radiochemistry: Fundamentals and Applications. John Wiley & Sons, 2008.P. 130.*

THE FORMULAS OF NUCLEAR REACTIONS INVOLVING NEUTRONS

Reaction:	$Li_3^6 + n_0^1 \rightarrow He_2^4 + H_1^3$	${}^6Li + n = {}^4He + {}^3H$
Verification:	$135 + 33 \rightarrow 90 + 78$ $168 = 168$	
Reaction:	$Al_{13}^{27} + n_0^1 \rightarrow Mg_{12}^{27} + p_1^1$	${}^{27}Al + n = {}^{27}Mg + {}^1H$
Verification:	$618 + 33 \rightarrow 639 + 12$ $651 = 651$	${}^{27}Al(n,p){}^{27}Mg$
Reaction:	$Zr_{40}^{90} + n_0^1 \rightarrow Zr_{40}^{89} + 2n_0^1$	${}^{90}Zr(n,2n){}^{89}Zr$
Verification:	$2130 + 33 \rightarrow 2097 + 66$ $2163 = 2163$	

References: *Esposito, Salvatore. Neutron Physics for Nuclear Reactors: Unpublished Writings. World Scientific, 2010. P.168; Camilleri, Aidan N. Radiation Physics Research Progress. Nova Publishers, 2008. P. 413.*

REACTIONS INVOLVING α -PARTICLES

Reaction: Verification:	$F_9^{19} + He_2^4 \rightarrow Ne_{10}^{22} + p_1^1$ $438 + 90 \rightarrow 516 + 12$ 528 = 528	${}^{19}_9F + {}^4_2He \rightarrow {}^{22}_{10}Ne + {}^1_1H$
Reaction: Verification:	$C_6^{12} + He_2^4 \rightarrow O_8^{15} + n_0^1$ $270 + 90 \rightarrow 327 + 33$ 360 = 360	${}^{12}_6C + {}^4_2He \rightarrow {}^{15}_8O + {}^1_0n$
Reaction: Verification:	$U_{92}^{238} + He_2^4 \rightarrow Pu_{94}^{241} + n_0^1$ $5922 + 90 \rightarrow 5979 + 33$ 6012 = 6012	${}^{238}_{92}U + {}^4_2He \rightarrow {}^{241}_{94}Pu + {}^1_0n$
Reaction: Verification:	$Pu_{94}^{239} + He_2^4 \rightarrow Cm_{96}^{242} + n_0^1$ $5913 + 90 \rightarrow 5970 + 33$ 6003 = 6003	${}^{239}_{94}Pu + {}^4_2He \rightarrow {}^{242}_{96}Cm + {}^1_0n$
Reaction: Verification:	$Be_4^9 + He_2^4 \rightarrow C_6^{12} + n_0^1$ $213 + 90 \rightarrow 270 + 33$ 303 = 303	${}^9_4Be + {}^4_2He \rightarrow {}^{12}_6C + {}^1_0n$

References: Sharma B. K. Nuclear and Radiation Chemistry. Krishna Prakashan Media, 2001. P. 106

CONCLUSION

The knowledge of the PRIMORDIAL ALLATRA PHYSICS not only helps to understand the world at the very beginning of its manifestation, the principles of its existence, but above all, to realize the relativity and delusiveness of all the processes that happen, temporality and immateriality of existence, the global character and importance of the spiritual world for man. Matter has no internal sense but only external manifestation, that is why people never think about the internal structure of things but take them for “granted”. All that man sees in the surrounding world, starting with his body that like a shell alien to him from his birth and ending with the light of starts which died a long time ago – that is only a result of temporal interaction of phantom Po particles, ghost particles of this world, which appear for a short period of time as a light smoke and disappear immediately. All what oppresses man in this world, starting with compulsive thoughts, aggressive emotions

and ending with stereotyped desires of consumer and egoist – all this is a result of man’s choice in favor of septon field – the material smart system which exploits humanity stereotypically. But if man makes a choice in favor of his Spiritual nature then he obtains eternal life. And there is no religion in that, but only the knowledge of physics and its primordial fundamental principles.

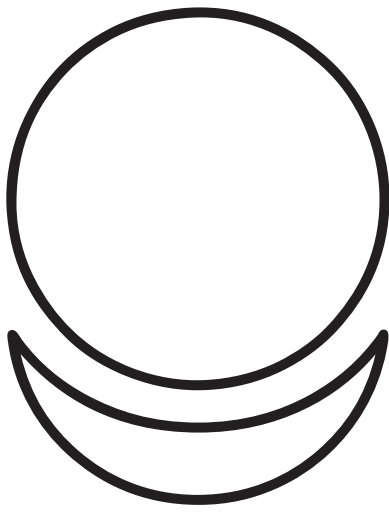
Modern people are lacking one thing – holistic worldview, view from the perspective of the Spiritual Observer, Personality, who has a huge spiritual potential – the force of Allat (Soul). The system (septon field) draws man's attention to immediate problems, narrowing his consciousness down to the point of temporal existence. The system divides people, making them suffer and live either in the past or in the future, focus the force of their attention during the day on everything that possible but not on their spiritual component, because there lies the real

freedom of man from chains of brainwashing of the material world. The material world is empty in its essence, so whatever success man achieves here – power, possessions, manipulation of the masses or his fellows – as a result all will turn in senseless emptiness, efforts spent in vain in favor of septon field of the Animal nature. In dreams about the future or complaining about the past there is no tomorrow. Tomorrow is just day succeeds night and human body gets old in spite of the inner feeling of man who has not even started to live yet.

Septon field just stimulates and provokes but it is people who take actions based on their own choices. In order to change the world for the better we just should start with ourselves, ignoring the system. We should unite with other people on the basis of the primordial Knowledge. We should not play up to the system which complicates everything, but have courage to change the situation radically. One should at least start with not multiplying evil and not strengthening the consumer sys-

tem, but rather promoting spiritual and moral values by any means day by day. *(Note: for more information please refer to the book "AllatRa", the last 50 pages)*. Change conditions and everything will change!

The PRIMORDIAL ALLATRA PHYSICS gives an understanding of the fundamental principles, thanks to which it is possible to take science to a completely new level and to a great extent to ease the life of human civilization turning it in the direction of moral and spiritual development. Today the world community has faced the situation when everything is brought to the brink. Most people are afraid to change the system not because they do not see its harmfulness but because they do not see another solution, fair world order, the support for their spiritual actions. But the paradox is that their main support lies not in constant excitation of their own septon field (thoughts about endless suffering) but in the force which can control septon field and that force is the Spiritual nature of man. Because every transformation in this world depends on the power of inner potential and its application point!



E-mail: science@allatra.org

www.allatra-science.org



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