

Matter, Space and Time in Conception of Aether Field

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The aether concept of matter, space and time and the problem of parallel worlds are viewed basing on original empirical material. Many-year-long observations and experiments made on nontraditional methodology [1-5] show that every existence of our world represents some form of motion of some universal primary matter. Dekart's assertion that there is nothing in the Universe except aether and its vortices, was right. The properties of this mysterious many-sided aether must be greatly unusual for its dynamic three-dimensional structures to create all the physical objects and natural phenomena including different kinds of living matter. The physical aspects of natural science fundamental categories and the problem of parallel worlds are viewed in the framework of the concept of aether.

All the kinds of World aether demonstrate special quantum superfluid properties. Therefore, it is logically to consider that matter generation is connected with the whole Universe rotation that is an established scientific fact. Since the matter world should be supposed to be a stable forceful corpuscular vortex-wave structure of a certain space spectrum, which has a single-valued momentum of aether "spiral" motion. Naturally, the parameters of an apparent matter depend on the properties of primary aether and characteristics of the rotational translational motion of the Universe. At the same time, as the newest experiments confirm, corpuscular-wave or vortex-wave dualism appears as an absolute principle of the Universe. In the Universe there is no object, which does not have wave properties.

By the space it should be named conditionally "solid" crystalline liquid vortex-wave structures of three-dimensional superfluid aether. Such structures have zero net angular momentum. From the point of view of stereodynamics and topology, real space is many-dimensional, i.e. it is represented by great number of different vortex lattices, i.e. subspaces. Fine-structure Newton's space or energy "bottom" of the Universe is more primary. The other subspaces are created by matter (mass) and represent certain material objects, which the modern physics names as gravitation fields. Gravitation is merely an aether phenomenon. It realizes the principle of the slightest disturbance of inhomogeneous subspaces during their interaction. The energy of these subspaces is proportional to the mass of physical bodies. In general case, the finer the structure of a subspace is, the more its energy.

This is to say that the Universe is a rotating liquid crystal, which interacts with a more fine-structure and, therefore, more power-consuming interuniversal space. Hence, the interuniversal energy "bottom" is deeper than the energy "bottom" of our Universe and exists in the condition of plasma ("fire"). Nowadays the number of apparent matter worlds is unknown. Once appeared matter creates secondary vortex-wave structures, which, according to the number of right-handed and left-handed vortices, are symmetrical as analogues of particles and antiparticles. The statistical variant of such structures corresponds to the subspaces, i.e. gravitation fields; and the dynamic variant agrees with a particular vortex-wave emanation or parallel worlds as a **quasimatter**. These parallel worlds can be named as topological harmonics (subharmonics) of matter. They appear as a result of the interaction of bodies with the other subspaces. Quasimatter objects are observed in our world as flicker-effects.

Electromagnetism also has the vortex-wave nature and occupies a strictly appointed place in the space-time spectrum of the aether motion. There is no non-rotational motion in the aether. Electromagnetic phenomena, just as mechanical and other ones, have their topological harmonics, i.e., from the point of view of aetherdynamics, all the natural phenomena and processes are many-dimensional. This causes the vitality of esoteric and occult ideas which are valid in the framework of the post-modern physics.

The notion of time, which is now accepted in the science, is a very relative category, which is subjectively subconsciously connected with the course of human life. From the point of view of physics, time should correspond to the speed of transmission of vortex interaction and to the angular velocity of rotation of aether vortices, which are located in the viewed structure of space or matter (quasimatter). Since every subspace has the particular course of time then there is many-dimensional time in a stereodynamically and topologically many-dimensional space. Physical time demonstrates its material properties in the process of vast space transformation of aether vortex-wave structures. In his theory Professor N.A. Kozyrev meant very physical time, which controls cosmic energy processes.

The category of time is closely connected with the problem of interaction of physical worlds. By these worlds different vortex-wave structures of the aether are meant. The structures create matter and quasimatter. An energy informational barrier hinders in this interaction. The barrier is caused, on one hand, by superfluid properties of the aether, and, on the other hand, by the peculiarities of the transmission of space and physical time into the other scale. The material (energy) transmission from one subspace into the other one is possible due to "bifurcation", i.e. the fragmentation or enlargement of elementary vortices as an approximate analogue of the classical reactions of nuclear disintegration and nuclear fusion. At the same

time the process of fragmentation is accompanied by the acceleration of physical time, mass increase and additional energy consumptions. The enlargement of the aether vortex is characterized by the inverse process. These very natural phenomena, which were reproduced in the laboratory conditions [6], clarify and validate N.A. Kozyrev's interpretation of time.

There is an all-important scientific notion, viz the aether vortices of spiral structure have matter properties independently of their size. Nevertheless, the majority of the aether structures, which accompany dense physical bodies, are virtual, i.e. it includes the equal number of matter and non-matter formations. These formations correspond to the existences "yin" and "yang" of the ancient Chinese philosophy. Even if the aether body of the "yin" or "yang" type is managed to create then the value of the interaction of such structures with common bodies decrease in time by the "exponential curve". This also has been proved by experiments.

This fact explains why the little-known world of "flickering" physics, i.e. metaphysics, exists side by side with us. It is astonishing that all the living systems are able to control the energy informational barrier.

All the potential worlds of the Universe along with their subspaces and time property can be placed on an axis due to the size of their elementary vortices. Observing their placement on the axis it is possible to estimate the change of their main physical characteristics. New experimental data allow affirm the fact that the speed of transmission of interaction and the speed of rotation of such vortices as the course of time, density and energy (temperature) of the aether have inverse relationship with the size of the vortices. For example, the speed of spreading of many-dimensional electromagnetic disturbance tends to infinity at the beginning of the axis, is equal to the light speed in the microscale, and comes to zero in the megaworlds.

It is necessary to take into account that the aether vortices fill up the space capacity of real physical systems from the zero point to the size of the very system. Moreover, the active spectrum of the system spreads towards the less scale as the size of the system increases, i.e. the energy "bottom" of the system becomes deeper. Thus, a galactic vortex contains a fine-structure subspace which is responsible for the inertia phenomenon. This provides the system with a new property. In particular, it is known the fact that Newton's laws are broken in the mechanics of galaxies. Vortex spectrum energy cascades, i.e. the "red" and "violet" cascades, are most important in space power engineering.

Up to this point, the matter and quasimatter worlds have been considered. They have significant energy of the vortex motion of the aether. If the other civilizations existed in the parallel subspaces as vortex-wave forms then it would have been possible for us to communicate

with them in spite of the difference of values of the fundamental physical constants. Since such a communication is not observed then it is logically to consider that there are principally different forms of life in those worlds.

Nowadays it has been proved the fact that solid subspaces have little-studied holographic and properties, i.e. the ability to collect and store the great amount of information. Though the physical mechanism of this storage is not clear yet, however, it may be supposed that the new abilities of stable vortex-wave structures or the matrices of the aether as gravitation fields explain the existence way of the worlds which are, in the common sense, immaterial but animate. At the same time it is revealed the hierarchy of the other worlds, which is known from esoteric sources, i.e. terrestrial hierarchy, solar hierarchy. It is too difficult for such a civilization to communicate with our dense world since they have less energy than computer viruses have.

The last comparison is quite important and shows a primitive analogue of specific sense, i.e. the apparatus of "phase" informatics, which is an immaterial structure. Moreover, the virus form of homeopathic and computer nature shows the search direction of the way of communication with the immaterial existences, which live side by side with us. In addition it is necessary to point out the possibility of informational control of the energy and matter processes, which occur in our world. The real prototype of such control is the known reliable facts of mind action upon the matter.

In conclusion let us notice that the primary fine structure of the aether is an undisclosed mystery. The introduction to the theory of hypothetic particles such as Atsyukovsky's amers, Baurov's buons, Akimov's fitons and tens of others, does not allow us approach the truth. Newton and Lomonosov objected to the appearance of the huge amount of hypotheses because the huge amount of semi-reliable mathematical models is harmful for physics. It is early to frame hypotheses since the macroscopic visible properties of the aether have not been studied yet. Forming the theory of a universal field it is necessary to return to the historically confirmed concept of the aether and the topologically many-dimensional space-time.

References

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