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Anthropic principle as the foundation of the philosophy of future.

Annotation.

The article offers the philosophic understanding of the Anthropic principle as a creating power of not only the Universe itself, but of the Human-observer in forming of the notion of a creating power. The notion of the Home of Metagalaxy in its relation to the Universe, the Earth and a Human is introduced. The question about the cooperation between the Human and the Home, and thereby – of the strategic development of the Human in the Anthropic principle of Metagalaxy paradigm operation, is being raised.

Introduction.

Due to the accumulation by the human civilization of a wide range of knowledge in the framework of astronomy, cosmology, physics, elementary particles and quantum physics, there appeared a precedent, amid which it has become immensely difficult to explain scientifically why a variety of unconventional correlations between the fundamental physical parameters necessary for intelligent life existence is in evidence in the observable Universe (Metagalaxy).

The standard model accepted by elementary particle physics nowadays describes three types of interactions – strong, weak, electromagnetic, and the fourth stand-alone gravitational interaction, which are the basis of elementary (fundamental) particle physics. Each of the fundamental interactions and their Synthesis between each other produce the Reality where we – Humans, connoting the Observer – belong.

Numerous experiments, held on the ground, and cosmological data received from the visible part of the Universe ensued that elementary particle physics has got exact value of physical constants and developed complex and most unusual mathematical models. The received data show that the slightest change in these models parameters and physical constants will lead to destruction of our objective reality. The examples of highly exact and complex interdependences are: the hierarchy of the available from experiments elementary particle masses – Planck's constant and Higgs boson, proton and neutron; the differences between the levels of the strong, weak and gravitational interactions; precalculated extent of the black energy in Metagalaxy, etc., which altogether give such strange numerical disagreement in ranges of values of the same type, that they demand a fine tunning of parameters in Metagalaxy.

At this moment the world elementary particle physics scientific community is standing at the threshold of the birth of New Physics, which will be able to find the rational explanation to the known paradoxes, observed in Metagalaxy. Physics, based on mathematical models, which are very much different from those, used in the study of the fundamental particles today (such as the Standard Model, the symmetry model, the super-symmetry model). The logical consequence of the scientific research of fundamental physics is the following fact – the fundamental parameters of the observable Universe or Metagalaxy are such, that only in these circumstances our existence became possible. This claim is taken unambiguously as any slight change in any fundamental parameter will make Metagalaxy as we know it today immediately disappear.

Alongside with the registration of "strange" characteristics of Metagalaxy, the scientific community turns more and more attention to the question of switching from the external observer to the internal observer and his quality. There has been emergeding the demand to understand how is it possible, that at such complex interactions when the slightest calculation mistake will instantly destroy the observed Universe, there appeared the Observer – the Human with the capability of subject-object observation and analysis of this observation. Such querying seems quite a logical result of the phenomenon which is now called the Anthropic principle.

The story behind the term.

The term "Anthropic principle" is derived from the word "antropos" (lat. Human) and "principium" (lat. Basis, Inception). The thought about the existence of Anthropic principle was first announced by Soviet theoretical physicist A.L.Zelmanov in 1995: "... we are being the witnesses of the processes of a certain type, because processed of the other type pass without witnesses" [1].

In 1958 Soviet astronomer G.Idlis proposed and considered anthropocentric or antropogenic principle. According to it the world which is observed by us, with all its main characteristics, stands out from the plentitude of possible worlds in the inexhaustible for structures Universe, because it fits the necessary and sufficient conditions of the natural advent of life and its development up to the highest intelligent forms in it. The similar thought was published in 1961 by American physicist Dikke R.

In 1973 British theoretical physicist B.Carter conclusively formulated the anthropic principle, distinguished between the strong and the weak anthropic principle. According to Carter, the strong anthropic principle says that our position in the Universe is singled out with necessity by the fact, that it let us exist as observers. The weak anthropic principle claims, that in another Universe or in different parts of the Universe the binding constants, masses may be not the same as in our observable one.

A little later D.Wealer formulated a variant of the strong anthropic principle – anthropic principle of participation, which says that the observers are indispensible for the Universe to acquire the beingness.

Philosophic generalization of the Anthropic principle.

Thus, basing on the weak and strong Anthropic principle we make a conclusion, that the Observer is the result of the Creating action of that Universe, with the number of necessary physical constants, which is surrounding him. In this article, distancing from the notion "Universe" we will introduce a concept of Metagalaxy, in which the conditions of the mentioned above anthropic principle are satisfied. Let's undertake the attempt to philosophically consider the effect of the strong and weak anthropic principle on the Human-Observer. At this moment Metagalaxy seems for the Observer, who is situated on the Earth, to be a sphere (of interactions, conditions, constants), which produces the conditions for the appearance and life of those fundamental particles and interactions, which are able to create matter of galaxies, stellar systems and planets of the configuration, which we in our turn observe. As a result of these

nonlinear interactions there is the creation of Milky Way Galaxy, Solar System, the planets in Solar System, and, finally, foundation of conditions of life on the Earth, which makes possible the presence of the Observer. And Metagalaxy creates and fixates at first upon all the Humanity as a whole, and then upon each Observer on the Earth separately. This interaction happens in a hierarchically-nonlinear way. Interestingly, in its traditional historical appreciation the Humanity perceived and identified itself with the observable Universe collectively, in common. But inclusive of the development and intelligence of a Human-Observer and due to him overcoming the Earth Biosphere, created by Metagalaxy, there starts the point of Metagalaxy concentration upon each Observer individually.

The Observer, having left the Sphere of the impact of the Earth, the biosphere, the gravitational and electromagnetic field of the Earth, is deprived of the protection properties of the Earth and directly experiences the creating power of the anthropic principle of Metagalaxy, undergoing the influence of vacuum, cosmic-rays, background radiation and cosmic background.

Introducing conceptiom of the Home.

Historically in different philosophical paradigms the sphere of nonlinear interactions of the Earth and a Human, forming the conditions of being of the Human-Observer, has been associated in one way or other with Home. Suffice it to recall the sciences and phenomena, containing in their denomination "eco": Ecology – the science about Home, Economy as managing Home, Ecosophia – as Home Wisdom. It should be noted here that in English speaking environment the word "Eco" is often understood as habitat. In Russian mindset the notion "Дом" includes not only habitat, but also Synthesis of nonlinear interactions of Psyche as the Origin determining actions [2], Fire as highly charged actuating material, and Matter as objective reality [2], which in their turn form the whole sphere of what is perceived to be home itself and our understanding of it. Thus, this notion does not only expand its meaning from the purlieus of personal lodging to the city lines, state borders, planet boundaries, but also has a profound mental significance. The Home – is the idea of a creative and accumulative kind, sphere of nonlinear interrelations which have the positive feedback. The Home creates everyone, and is created be everyone.

The Home may habitually be imagined as a Sphere – for example, biosphere, noosphere (V.Vernadsky). On that ground we will identify and determine Metagalaxy – as the Sphere, forming the conditions of being of a Human-Observer, who has expanded beyond the bounds of the Earth interactions to the sphere of Metagalactic interactions.

The prominent philosopher of Russian Cosmism V.Solovyev for the first time ever introduced the notion of Ecosophia – literally, Home Wisdom, as the Sphere of the Home, determining the conditions of the development of Civilization, which belongs to this Home. It can be affirmed, that if the Anthropic principle is valid in the framework of our Metagalaxy, than the Human-Observer, who has expanded beyond the biosphere of the Earth, will experience the Creating effect of the Ecosphere or the Home Sphere not only as the one aiming at the planetary Civilization, but as the one aiming at the Metagalactic Civilization in accordance with the strong Anthropic principle. The examples of changing of the Human mentality under the influence of already not planetary, but Metagalactic Sphere of the Home we may observe in the consciousness, making a quantum leap due to the Human cosmic flight.

Consequently, developing Solovyev's idea of Ecosophia on the basis of the Anthropic principle, we introduce the notion of the Metagalactic Ecosopia as the Home Wisdom. Where the Home is the Sphere or the system, self-organizing the whole of conditions, necessary and

sufficient for the Human life; and Sophia is the Wisdom, which the Human-Observer should obtain, so that, on one side the ecological parameters were maintained, and on the other side the environment of cognition of Anthropic essence in the outer and inner world was created. Producing that Wisdom and Environment which make it possible to cultivate and develop philosophy.

Individuation of the Anthropic principle.

Concentrating upon each person, the Anthropic principle moves on from the general principle – the whole Universe creates us, to the particular, where the Metagalaxy creates every one, concentrating upon each person and actuating him or her to develop his or her own Ecosophia with the individual environment: personal Home, house, flat, vehicle...

It may be said that on the basis of the Anthropic principle there happens the nonlinear evolvement from general to particular – each of us individually, presenting the acme of Sanity. The Anthropic Principle is concentrating upon each person also because the Human-Observer became intelligent and personalistic, as personalizing the nous is the essential requirement of the Anthropic Principle, which is creating every person severally.

The conversion from the collective effect of the Anthropic Principle to the personal one can be imagined as a situation, when in communal conditions and circumstances the Human-Observer accumulates a variety of unit characters (experience), assembling them in himself. At a definite moment of time there happens a dialectical transformation from quality to quantity and a switch of a Human-Observer to a new condition, and the system above reacts on him/her as on the unit of the Anthropic principle of the higher level, developing him/her this way. The example is the change from the planetary view of Anthropic principle to the Metagalacitc one.

It can be mentioned, that the concept of the Anthropic principle means not only the Anthropic principle itself, but also the evolutionary development of the Anthropic essence as such, with the transformation from the quantity of unit characters into the quality and the transformation of a Human-Observer into the next step of the Anthropic principle representation. The quantity of all people transforms into the quality of one person, preserving the position of the first among equals.

The interrelations of the Human and the Home may be seen as Dao way (Ying and Yang), as an interaction of energy and material, forming what we call Dao. Indeed, when regarding the Metagalaxy, where all the conditions of the Anthropic principle are satisfied, we may claim, that there is being a sphere around it, which determine all the conditions of our existence. We call this sphere of self-organization and nonlinear interactions the Home. And mastering Ecosophia, the Metagalaxy Home Wisdom – will be the acme of the Anthropic principle, and this is the aim, attaining which the mere essence of the Anthropic principle stimulates us to.

From the perspective of this conception we may also conclude, that when the Metagalaxy develops us via the Homes, the Human should cultivate inside of the Home such ranges of qualitative characteristics, which allow to cultivate the same Metagalaxy as a collective environment in one's particular way. And then we will be able to call it the Metagalaxy of a Human to the full extent.

Epilogue

We were born on the Earth, and not in any other place in the Universe. For the theorists this point creates a completely different view and makes difficulties, as it changes their mindset from the search of the ideal model of the world to come to terms with the fact, that the world hasn't

been created ideally and the way towards its understanding has a nonlinear and more complex character, than it seemed in the ideal symmetry model of the Universe. And we are on the threshold of transition from the "normal" naturalist's view to the anthropic view on the laws of nature. On their organization, their Hierarchy and the way they operate.

The most relevant theories and hypothesis in quantum physics and elementary-particlephysics say about the probability of existence of not only large number of other Metagalaxies, but also about the possibility of discovering the phenomena, which totally do not fit in the view of the world which we witness now and consider to be objective. Anyhow, all these investigations demand a scientific, philosophic reflection and developing the corresponding paradigms, basing on which the Human-Observer will get the opportunity to embed into more and more complex and higher in quality realities of our world.

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