

Origin The Beginning

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ABSTRACT

The stage of the universe preceding the hypothetical “Big Bang” is comprehended:

- The first law of the universe is substantiated and formulated
- The characteristics of the First Existence (First Principle) are given, its criteria are defined;
- A definition is given to the States of the Primordial Existence, as a potential set of Differences;
- The “mechanics” of formalization of the Primordial Existence are presented;
- The essence of the formalization of the First Existence as a “tool” of binary logic is revealed;
- The essence of Abstract Meaning and Abstract Functionality, as dual components of the First Existence, is revealed;
- The concept of the ideal component of the universe is formulated as the algorithmic base of the Primordial Being, defined by the term PATTERN.

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Introduction

At present, the scientific community has not resolved the fundamental question in natural science and the universe as a whole - the question of the root cause, the fundamental principle, the origin of all that exists. There is no unambiguous, unified understanding of the ways and methods of scientific comprehension of the fundamental principle, and indeed its very essence. There is no both empirical and metaphysical basis for the study.

The atomic concept, which in the modern interpretation is fundamental in natural science, examines and explains in relatively detail the material component of the universe, but completely ignores the question of its root cause.

Only the biblical teaching has the most comprehensive substantiation of the universe, but the mythologized and dogmatic nature of the teaching does not allow us to take this concept seriously.

Existence - Ontological Primary Existence – Causeless Primary Existence

The proposed work represents an original (author's) concept of the universe, built on the logical basis of the Unified Ontological Beginning of the World and its philosophical and metaphysical understanding.

So. The logic of the “aporias” of the Eleatic school about Existence and Being is adopted as the basis for analysis:

1. Existing can arise either from existing or from non-existent,

but both are impossible, because in the first case, existing already exists, and in the second, something cannot arise from nothing. Consequently, the “emergence”, “becoming” of beings is generally impossible;

2. Existence exists and it cannot be non-existence, because Existing cannot be non-existent, and non-existent cannot exist. Being is not generated by anyone or anything, otherwise we would have to admit that it came from non-existence. Being is one and indivisible; if we assume the plurality of being, we will have to admit the existence of non-existence. Being is “eternal” and unchangeable, because an existing thing can neither arise from a non-existent nor become a non-existent.

Based on the logic of denying the possibility of the existence of the non-Existing (Nothing) and the emergence (becoming) of the Existing, a fundamental conclusion (law) about the causelessness and pre-physicality (pre-physicality) of the Primordial Existence is formulated:

Ontological First Existence is the FIRST BASIS of the universe, which does not arise from anywhere and does not disappear anywhere, existing without cause, outside of time and outside of any physical dimensions.

The “pre- physicality ” of the ontological First Existence (First Principle) is due to its fundamental nature of virtuality (speculativeness), in which there are no basic physical arguments that predetermine the entire subsequent hierarchy of material embodiment:

- Time as the value of stability of the states of Being;
- Space as a factor that establishes and determines the degree of freedom;
- Energy(potential of Difference), as a measure of potential action, functionality (energy).

Attributes and Criteria of the Period-Existing – Difference - Difference - States - Element of Difference - Formalization of the Period-Existing

As a consequence of the logic of the Eleatic “aporias”, the following attributes (properties) of the Primordial Being are revealed:

- **uniqueness**, i.e., absence of plurality of original Something;
- **integrity**, i.e., indivisibility into components, elements;
- **ultimateness** (specificity, certainty), i.e., non-existence of semantic uncertainty of the “NOTHING” type.

Uncertainty, such as “NOTHING,” is for the metaphysical Being the limit of its certainty, i.e., the limit of Existence is Non-existence. The essence of the limit “Non-existence” is the denial of the possibility of both the emergence (becoming) of the Existing One from Nowhere, and its disappearance into Nowhere.

Limits, such as “Nothing”, have a paired character: APPEARANCE – DISAPPEARANCE (Nowhere-Nowhere), by analogy with the limits of mathematical certainty: ZERO-INFINITY, And are a systematizing factor for the Prime Existence, his PAIRED CRITERIA. Paired criteria, in their essence, are opposites that endow the Primordial with a SIGN OF DIFFERENCE. Opposites, as a sign of DIFFERENCE, predetermine the potential possibility of a “simultaneous” multiple internal DIFFERENCE of the First Existing. All the potential set of Varieties of the Primordial Existence are its potential STATES. those. Primordial existence, in the absence of the time factor, “simultaneously” resides in many different virtual STATES.

The difference is determined by comparing a pair of elements (subjects of comparison). Thus, the "elementary unit" Differences (element of Differences) - equal to two. Accordingly, the “countability” of any potential-possible STATE of the Primordial Existence is a multiple of two.

The potential “structure” of the states of the Primordial Existence can be represented in binary form. The essence of the “element of binary” is one of two opposite (different) values of the state of the Primordial Being, and having an exponent of one.

A visual representation of the binary state of the Primordial Being is possible in various symbols: digital, alphabetic, graphic, etc. For example: in digital symbols, an image of a state having an exponent of one - 1 and 0; degrees two - 11,10,01,00; degrees three - 111,110,101,100,011,010,001,000, etc.

The number of combinations of “state” symbols 2^n is equal to the result of the exponent, and the number of symbols in a separate combination is equal to the exponent.

Thus, the “state” of the First Existence, of a specific degree, is all possible, for this degree, combination of symbols of the elements of binary.

All of the above, binary, symbolic, construction of the Primordial Being, all elements and combinations of elements have a speculative basis and are virtual in essence.

The absence of a material environment and the “source” of everything material, in the form of space-time and the potential of difference (energy), does not create the possibility of a separate, isolated, discrete representation (manifestation) of the states of the Primordial Existence, therefore the entire virtual structure of the

Primordial Existence, represented by the totality of its states, exists “simultaneously” and “dimensionlessly”, forming “simultaneous” relationships with the entire adjacent set, which corresponds to the principle of superposition of states.

“Simultaneity”, in this case, is the concept of “timelessness”, those. lack of progression, consistency of something.

The “simultaneity” and “dimensionlessness” of the constructions of binary elements can be represented figuratively, in the form of printing on a sheet of paper, using a typewriter, the constructions of binary elements:

- “simultaneity” can be represented as the entire set of lines of constructions of binary elements, printed without space between lines, where each line represents the state of the First Existence to the nth power, expressed in these elements;
- “dimensionlessness” can be represented as printing the entire set of character designs and all lines in one position.

Binary Logic – Procedurality – Regularities – Abstract Functionality – Abstract Meaning – Logical Consistency – Algorithm Base – Everything Possible – Plot – Pattern of the Universe

So, the First Existing, in a formalized form, is an all-possible (comprehensive) set of combinations of coded States (Differences), potentially possible in accordance with the principle of superposition of states, where all elements of the set are positioned ALL and IMMEDIATELY in different ratios, by different sides of these ratios.

The processuality of relationships (combination) is provided by the mechanism of binary logic, determined by the patterns manifested by formalization and operating with two formalized opposites: paired criteria “like NOTHING” (0 and 1).

Formalization exhibits the following patterns that determine logic:

- A certain sequence (alternation) of zeros and ones (elements) in the encoded States (Differences);
- Direct (0 and 1) or reverse (1 and 0) order of alternation of binary elements;
- Multiplicity with base two(2) "countable" States and their combinations.

The hypothetical possibility of violating one of the laws is a logical contradiction, which seems impossible.

The nature of virtual relationships determines their (correlations, combinations) abstract functionality, which, “in turn,” in superposition, represents a comprehensive, abstract, virtual functional environment.

The semantics of Abstract Functions - their Abstract Meaning, is determined by the logic of consistency. What makes sense is WHAT is not contradictory, what is functional, what is POSSIBLE.

The consistent (natural) order of functions “simultaneously” and “dimensionlessly” forms algorithms of abstract EVENTS, the comprehensive set of which represents an algorithmic BASE, an algorithmic potential for the embodiment (manifestation) of EVERYTHING POSSIBLE (all possible states of any form of Existence).

The abstract semantic load (Meaning) of algorithms “forms” abstract Semantic Plots, those. "project" of implementation.

The essence of the algorithmic potential (functional BASE), formed into Semantic Plots, is the MENTAL (LOGICAL) component of the universe, serving as a kind of PATTERN for the incarnating reality.

Conclusion

The above concept states the fact of the existence of an immaterial Origin, which is a speculative, ontological, virtual Existence, defined by the term - the First Existence.

The primordial being is a conditionally independent non-material (ideal) beginning of the universe, existing outside of space and time.

The primordial entity has a number of attributes, the analysis of which allows us to apply a formalization mechanism and come to the conclusion that it has an ALGORITHMIC BASE, defined by the term - PATTERN of the universe. The essence of the TEMPLATE of the universe is the mental component of the universe, its “comprehensive mind”, which has the potential of this Possible.

The presented concept is fundamental in terms of Cognition and has great prospects in the field of natural sciences and social relations:

1. of this becomes obvious, through the comprehension of a single material principle in the form of a triune space – time – energy.
2. In terms of studying human consciousness, it becomes obvious that human consciousness is recognized not as his individual affiliation, but as the functionality of the Primordial Existence: the address function of the logical potential of the Primordial Existence.
3. In the sphere of spiritual relations, the concept demonstrably rejects the “divine principle” of the universe, which establishes the immutability of the priority of the scientific worldview position over the religious one.

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