

Metaphysical foundations of physics

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Abstract

© 2016, Ecozone, OAIMDD. All rights reserved. The article formulates the problem of constructing a metaphysical system, allowing passing to the rational ideas about the real world. Physics as a science about real processes answers the question 'how?' and does not pose the question 'why?'. It is not a task of Physics but a task of Philosophy, which not only summarizes the achievements of culture in general and Science in particular, but also searches for the common bases of the unity of the world. All this requires a revision of the relationship between the concepts of being and non-being. In general, Philosophy does not deny the existence of non-being, but the ontology and Metaphysics define it differently. Ontology (the scientific picture of the world) assigns only agnoseological meaning to the concept of non-being, which expresses a measure of our ignorance in the process of infinite cognition of being. Metaphysics defends the real existence of non-being, the direct cognition which is unattainable in principle on the basis of our reality. Permanently revising the boundary conditions of being, Philosophy is able to approach only asymptotically the revelation of their foundations, while never reaching them. The methodology of studying the relationship between being and non-being is based on the dialectics of the concepts of finite and infinite, discontinuous and continuous, actual and potential, and also linked to using the idea of polyonticity of virtualistics. This study allows us to claim that the level of real being includes 'real non-being' as its foundation. At the virtual level, non-being is organized into a 'memory matrix', in the space of actual infinity of which a particular universe unfolds its real existence as a potential infinity. In addition, prior to the appearance of the real level of being, the matrix already contains information, as an ideal world, about the reality, this ideal world being formed by the accumulation of reflections of past events in the memory matrix (multiple realizations of the Universe and universes). Each individual realization of being is full of randomness, but, in the process of information accumulation, summation and integration with the previous content in the matrix, it participates in the formation of formal reasons of strategic and regular development of the subsequent realizations by necessity.

Keywords

Chaos, Logos, Possibility, Space-time, Virtuality