

PLATO'S ONTOLOGY AND COSMIC EVOLUTION

Summary

Abstract mathematical formulae are our “mother tongue”, thanks to which we are able to develop a creative dialogue with our physical environment. The application of the language of mathematics gives us access to valuable information about events which occurred billions years ago and so allows us to reconstruct the history of the universe. This amazing property of nature inspires a non-trivial philosophical question: Why are there the mathematically described universal laws of physics at all, when nature could have been only an uncoordinated disorder?

The existence of the universal laws of nature seems to constitute the essence of the ontological structure of the world. Various authors call this basic field of formal structures – the matrix of the universe, the field of rationality, the formal field, the Logos, the Absolute, etc. Jan Łukasiewicz, the well-known representative of the Polish School of Logic, argued that the reality of ideal mathematical structures independent of human experience could be regarded as an expression of God's presence in nature. Regardless of our terminological preferences, this structure can be regarded as a basic level of physical reality where the necessitarian interpretation of the laws of nature is confirmed and the astonishing effectiveness of mathematics could be explained.

Summarised by Author

Słowa kluczowe: immanencja Boga, ewolucja, struktura nomiczna, platonizm, filozofia procesu.

Key words: God's immanence, evolution, nomic structure, Platonism, process philosophy.

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