

PHILOSOPHY

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Geometrodynamical concepts in the context of hegelian methodology

The methodology of creating a superstring concept of a unified field theory is investigated. The philosophical content of theoretical constructions in geometrodynamics is explicated as the definition of the space-time form of the organization of the substantial whole of our world – dark energy (cosmological vacuum), which is considered as the movement of theoretical thought to the inner form of the essence. Hegel's dialectical method of the interdependence and mutual transformation of the categories of matter and form, essence and form is used to substantiate the definition of space-time as forms of the existence of matter, to identify the projectivity of the philosophical and methodological content of Hegel's ascent through all categorical stages of dialectical logic in theoretical constructions when solving the main problems of the theory of everything that have identified themselves.

Key words: geometrodynamics, superstrings, cosmological vacuum, space-time, form, essence, Hegel.

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