

Some features of the semantical strategy of substantiation of the scientific theory

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The standard treatment of the scientific theory, as accepted in the methodology of the logical positivism, believed theory to be a set of correct formal statements (formulas) that had been deduced from one another. The fundamental laws of theory were stated in a special theoretical language and were treated as axioms of the theory. The consequences of those laws that could have been checked empirically were recorded in a separate language of observable values, and the correlation between the glossaries stated above were provided with the special rules of accordance. The alternative set-theoretic strategy of scientific theory's analysis considered the linguistic formulation of the theory to be unimportant and mainly concentrated on the description of the proper set of theory models. The article is devoted to the methodological principles of the so called semantical strategy of analysis of the scientific knowledge – one of the most well-known versions of set-theoretic strategy.

Keywords: theory, multitude, model, standard formalization, semantics

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