

UDC: 168

**On some epistemological aspects of the evolution of the standards of scientific rationality**

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*The article is devoted to the philosophical aspects of the evolution of scientific rationality standards. Based on the analysis of the dynamics of scientific rationality, the transition from classical to non-classical scientific rationality, establishes a connection between epistemology and scientific standards. This conclusion is reinforced by quantum theory, in which the subject-object relations do not fit into the classical epistemological view. This leads to a revision of the epistemological status of a number of fundamental concepts such as objectivity, knowledge, truth, rationality. In the context of a meaningful system upgrade of basic epistemological concepts is the formation of new goals and objectives of science. The findings give grounds to assert that the claims of the classical scientific rationality on intelligibility objectively true knowledge in the traditional representation are redundant.*

**Keywords:** *paradigm, rationality, types of rationality, non-classical rationality, the standards of scientificity, holism*

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***May, 02 2017***

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