## PHILOSOPHY OF SCIENCE

**UDC: 101** 

## Formation of the concept of scientific rationality

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Formation of rationality as characteristics of thinking and cultural phenomena passes through a series of stages. In the XX century, rationality is seen as a basic principle of philosophical and scientific knowledge and a basic principle of the functioning and development of Western civilization. However, with the advent of postmodernism it became clear that it is not so. Therefore, it is necessary to consider, in general terms, the key moments of confrontation between rational and irrational in the history of culture. With the emergence of science the leading problem is to distinguish the concepts of rational and irrational, and to identify the basis of their relationship. In its developed form, this problem is presented in the critical systems of Kant and Hegel.

**Keywords:** scientific thinking, the concept of rationality, irrationality, Western European civilization, the history of culture

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