



Analysis and criticism of the hypothesis of creation from "nothing"

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Abstract: Creation from nothing is a hypothesis suggested by some physicists such as Tryon and Vilenkin in response to why the cosmos exist. People like Hawking and Krauss claimed more clearly that this hypothesis will make us free from the hypothesis of god as a creator. Since This statement is an important philosophical claim, it is necessary to analyze and deal with it both philosophical and from physics point of view. In this article, by dividing this claim into three levels, we will show in a new form and content that none of this hypothesis versions provide a complete explanation of the origin of the universe and they leave the fundamental questions unanswered. The various interpretations of this hypothesis sometimes have internal inconsistencies and are mistaken about concepts such as “nothingness”, sometimes they are in conflict with some principles accepted in cosmology, such as the principle of Mediocrity, and lack the explanatory advantages that the theistic explanation contains.

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