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## **The Mystery of the Origin of the Universe**

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### **Abstract**

Even though evolution of the universe according to the Big Bang has now become a standard scenario, the origin of its existence is still a Big Mystery. Understanding how did the world begin would require developing a better theory of how space, time, and matter are related. However, the quantum gravity theory is not yet complete and is not able to make accurate predictions about the very earliest moments, when the universe was both extremely dense and extremely small. Nevertheless, based on general relativity and quantum theory some models of the creation of the universe are proposed. One can hence believe that these modern studies give a new insight into the important philosophical issues, providing a deeper understanding of an old philosophical question about reality: why does something exist instead of nothing. We therefore hope that this scientific view would help to give a sense to human existence in the surrounding world.

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