

# **COSMOLOGY OF HERACLITUS AND MODERN VIEWS ON THE FATE OF THE UNIVERSE**

In his cosmological considerations, Heraclitus assumes that fire is the basic principle and the most fundamental element from which other elements and all objects were created. But apart from the material element of the fire, Heraclitus also mentions another kind of fire, the thunderbolt, which is characterized by the existence of intellect. According to him, from the fire comes not only the origin but also it determines his fate. In the end, everything will be destroyed in the great fire that Heraklit calls "ekpirosis", which will lead to the creation of the new universe. The paper also discusses some similarities with the Big Crunch cosmological hypothesis.

**Key words:** History of Astronomy, Heraclitus, Philosophy of Science, Cosmology