

A NEW LOOK AT THE COSMOLOGY OF THE UNIVERSE

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ABSTRACT

The theory of local expansion and contraction of the Universe makes it possible to abandon the Big Bang in the standard cosmological model Λ CDM (Λ - Cold Dark Matter), and the inflationary theory of the expansion of the Universe. The mechanism of the birth of matter in an infinite Universe was proposed of Professor Stephen William Hawking, as an effect of radiation of particles by a black hole and experimentally implemented by the Nobel Prize winner Andre Geim under laboratory conditions inside graphene, identical to those, in which matter arises from vacuum in the vicinity of black holes and magentas.

KEYWORDS: *Baryonic Matter; Dark Matter; Black Hole; Great Attractor; Dark Stream*

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