IASET:Journal of Applied and Natural Sciences (JANS)
ISSN(P): Applied; ISSN(E): Applied
Vol. 8, Issue 1, Jan–Jun 2023, 1–12

International Academy of Science, Engineering and Technology
Connecting Researchers; Nurturing Innovations

BLACK HOLES AND QUASARS IN THE LIGHT OF NEW PHYSICS

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ABSTRACT

The article indicates that Roger Penrose's theory of black holes, based on the General Theory of Relativity, is unable to describe the behavior of a system and, in particular, a black hole in dynamics, since the formation of new particles during the development of a black hole leads to a violation of symmetry in time. After the discovery of galactic dark matter and intergalactic dark energy, which form 95% of the mass-energy of the Universe, the further development of the theory of the origin and evolution of black holes lies on the path of rejection of the geometric theory of gravity in general relativity of Einstein and the recognition of a fifth interaction between dark and baryonic matter. New astronomical observations of recent years say with certainty that black holes in their development into quasars become not a gravedigger of baryonic matter, but a factory of baryonic matter for new galaxies.

KEYWORDS: *Dark Matter, Baryonic Matter, Black Hole, Quasar*

PACS: *01.10.Fv, 04.50.-h, 12.10.Kt, 95.36. + X, 98.80.-k*