

**Original Article****Black Hole****Sergey Orlov**

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ABSTRACT

The new hypothesis of origin and existence of the black holes, based on the theory of vortex gravitation is offered.

KEYWORDS: *Ether Theory, Vortex Gravitation, Cosmology and Cosmogony*

John Mitchell per 1783 has presented the work in which it specified that massive enough and compact star should have so strong gravitational field that light cannot leave for its limits. Such object refers to as a black hole (BH).

Physical model BH in a modern science should submit to the law of Newton according to which gravitation is generated from bodies (substance). For conformity to this law such properties of a world substance, as a gravitational collapse of a heavenly body, a curvature of space-time, etc. have been thought up.

The theory of vortex gravitation [1] eliminates such abstract, unproven physical properties and phenomena. The strength of the vortex gravitation does not depend on body weight. This force determines the rotational speed of the ether and the pressure gradient in certain regions of space. Gravity increases towards the center torsion ether's is proportional to the inverse square law of distance from the this center. Laws of vortex gravitation operate equally both in space, and inside of a heavenly body. After the origin new torsion, gravitations in the central part has huge force which detains any physical signals, including light. It also is zone BH.

Detect the Black Hole the detached onlooker can only in that instant when the center of this space torsion is not closed yet by space substance which should soak up in itself torsion from the moment of the occurrence. After concentration in the center torsion space substance in volume which will be more volume BH, this heavenly object will turn to a star. But BH will continue the existence inside of a heavenly body. That is it will be the closed black hole (CBH).

According to the formula (10) from the theory of vortex gravitation [1] it is established, that the vortex gravitation, corresponding by its strength to the gravitation force of a Black Hole (BH), exists radius Schwarzschild, but thus it is not required sealings of substance of the Sun up to volume of such radius. Besides on the basis of the same calculation, force of the gravitation appropriating BH, should have theoretically all heavenly torsions, including planetary, including our planet the Earth.

The period when torsion does not possess volume of substance which exceeds volume BH is the period of existence of the open black hole (OBH).

For different torsion it can differ on some orders. For of some galactic torsion period OBH proceeds and today.

Rotating with huge speed super massive BH in the centers of each galaxy confirm the offered concept of the nature of black holes. As our Universe - huge megatorson in the center of the Universe too is mega BH.

Except for mega torsion with mega BH in world space exist and microtorsion with micro BH.

In a modern science existence admits in space and in an atmosphere of the Earth micro BH which named to oton (J.Zeldovich, J.Oppengejmer, A.Einstein). On one of versions are the splinters of the superdense matter which have scattered on the Universe after the Big explosion.

On the basis of model of vortex gravitation [1] this phenomenon speaks on another.

Microtorsions can be formed in any orbits of any space torsion, including terrestrial. Everyone torsion possesses in the center huge force of rotation which should cause the same huge force of

gravitation. Consequently, microtorsions has micro BH. After the occurrence microtorsions (MBH) can receive various directions of the orbital movement, including can be drawn to the central part pra-torsion, and move near to a surface of any heavenly body, in particular - the Earth.

On the basis of the theory of vortex gravitation, apparently, that black holes - the central part space torsions.

REFERENCES

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