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Why Does the Hyperbolic Shape of the Black Holes Require Non-Euclidian Geometry? (The Turbulence in Astronomy)

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Editorial- When I wrote the article about the hyperbolic shape of the Black Hole [1], it was intuitive envision. (For how intuitive envision is done see [2]). But in this article I will provide a logical proof.

1. If you try to tile regular pentagons, they form a sphere (curvature > 0).
2. If you try to tile regular hexagons, they form a flat surface (curvature = 0).
3. If you try to tile regular heptagons, they form a hyperbolic surface (curvature < 0).

Since heptagons form hyperbolic surface and Black Holes with hyperbolic shape give birth to everything material, which is matter and nonlinear electromagnetic field (NEMF) [1] (including the human NEMF), maybe we should not be surprised that the human NEMF has 7 energy levels [3], the human material body has also 7 energy levels [4], and each level has seven sublevels.

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EDITORIAL

When I wrote the article about the hyperbolic shape of the Black Hole [1], it was intuitive envision. (For how intuitive envision is done see [2]). But in this article I will provide a logical proof.

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A hyperbolic surface cannot materialize in Euclidean space without distorting it [5]. Therefore, the hyperbolic Black Holes must be formed through distortion of the Euclidean space and be non-Euclidean. And the space is distorted when some of the matter is scooped out from the space matrix and anti-matter is left in the hole. This makes the Black Holes anti-matter, just like when an electron is knocked out of the space matrix, positron (anti-matter) is left in the hole.

The scooped matter has the shape of a sphere and the remaining shape of the hole of anti-matter is hyperboloid. The remaining matter presses against the hole and the hyperboloid curvature shifts in opposite direction from () to ()(). Thus, the Black Holes have hyperboloid shape (as the recent photo of a Black Hole of April 10, 2019 shows) and they are anti-matter.

According to the rule of the folded fingers of the right hand, when the folded fingers show the direction of spinning, the vertical thumb shows the direction of the magnetic field induced by the spinning. If so, the counterclockwise spinning anti-vortices would induce magnetic field off the anti-vortex. This means that only anti-vortices could and would give birth to matter.

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According to the rule of the folded fingers of the right hand, when the folded fingers show the direction of spinning, the vertical thumb shows the direction of the magnetic field induced by the spinning. If so, the clockwise spinning vortices would induce magnetic field toward the vortex. This means that the vortices spinning clockwise induce sucking magnetic field. Both, spinning clockwise or counterclockwise, is called with the common name turbulence.

It is high time to acknowledge the important role turbulence plays in astronomy [6]. If two Black Holes merge (as it was recently observed with LEGO), the merging Black Holes must have opposite magnetic polarity because only then will they attract as two magnets with opposite polarity do. To have opposite magnetic polarity, the two Black Holes must spin in opposite direction. So, there must be Black Holes that spin counterclockwise and Black Holes that spin clockwise.

There should be a good reason why there is a Black Hole at the center of each galaxy. Is the Black Hole of each galaxy the creator of the galaxy? To create stars the Black Hole at the center of the galaxy must spin counterclockwise because only counterclockwise spinning anti-vortices can give birth to matter. Therefore, all Black Holes in the first half of their life, when they are young and give birth to stars [6], are supposed to spin counterclockwise as anti-vortices.

However, if Black Holes merge, there must be Black Holes spinning clockwise. Since vortices spin clockwise and suck in, these must be older Black Holes, which don't give birth to stars any more, but suck in the already starting to age stars. Until the stars reach the Black Hole, they will be old dwarf stars ready to be engulfed by the Black Hole and turned into anti-matter so that with time a new galaxy with new stars in perfect order can be created. If so, the merging of two Black Holes is actually young Black Hole engulfing old one.

It is also high time to acknowledge the important role turbulence played in the birth of our solar system [6]. During solar activity, our Sun has a lot of turbulence in the equatorial areas manifested as two chains of alternating vortices and anti-vortices running parallel to the equator and spinning in opposite directions in the northern and southern hemispheres.



The anti-vortices are throwing spinning light balls, which after loop trajectories, are caught by nearby vortices.

The author claims in another article that a passing-by from afar Black Hole sucked out from the solar anti-vortices huge light balls spinning counterclockwise, which gradually cool down and turn into planets [7]. If so, all the planets must spin counterclockwise. Indeed, all planets of our Solar System spin counterclockwise, except Venus and Uranus. (Planet Pluto also rotates clockwise like Venus and Uranus, but recently the astronomers crossed the name of Pluto from our solar system).

Presently, the planet Uranus roles aside on the plane of its orbiting as an egg on a tabletop with an axis of rotation almost fully horizontal, instead of spinning vertically like a top. Planet Venus is not tilted, but it barely spins making a full spin for 243 earth days. Dr. Bill Hartman of the Planetary Science Institute of Tucson, Arizona, believes that “*Venus was probably hit by near the equator so hard that the direction of rotation was reversed, note how slow Venus’s rotation is, but the tilt was little affected. But Uranus got a tangential hit near the pole, which changed his tilt 97 degrees, but not its rotation.*” [8]

The ancient Hindu astronomy Surya Siddhanta [9] explains that the planetary movement in our Solar System was not always tamed. From time to time the planets fight and their encounter is called ‘yuddha’, which in Sanskrit means ‘fight’ or ‘conflict’. According to Surya Siddhanta, the fight always happens at Solstice time when the Earth, Sun, and Moon are on one line. Is fight of the planets possible? Should we believe this? Considering the dramatic changes in the spinning of Venus and Uranus, something very serious must have happened.

All recent studies reveal that the turbulence and the strong magnetic fields, which the turbulence creates, play essential role in astronomy and creation. Since Nonlinear Physics deals with turbulence, this points out to the necessity to introduce and use nonlinear physics in astronomy.

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