

## **Blackholes and Gravity.**

Observing blackholes and neutron stars has always been a dream for all scientists because it should solve many universal mysteries such as : The Gravity.

The gravity is one of the four interactions of the universe , and the most mysterious among the others . The gravity of a blackhole can't be infinite because the infinite can't exist and continue in a finite universe . Blackholes don't absorb, They reduce any particle's energy till it stops definitely near a zone of 0 kelvin (Event Horizon).

The Space-Time is the Euclidean Plus an independent dimension which is Time. Scientists are free to add any other dimension to the four known ones but put in mind that any added dimension should absolutely be independent (free) from all the other ones.

If two identical blackholes exist in different spaces of the universe, that means that Gravity is independent from the three spatial dimensions. And if the blackhole doesn't change (during time) , that means that the Gravity is independent from the dimension Of Time . So Gravity can only be an independent extra imaginary dimension free from the other four real ones (linearly independent coordinates).

We conclude that a formula for Gravity can never be a function of time and the three spatial coordinates , that is the reason why the curvatures are useless. Furthermore , I disproved mathematically the curvatures of the space time made by the Minkowski space ( see my work on vixra : A Disproof to the Time Dilation ) .Also , there are only Kerr's metric and Kerr-Newman's metric as solutions of Einstein's relativity but if and only if the singularity is naked( no event horizon ).Therefore, we should consider kerr blackholes and kerr-Newman blackholes some kinds of stars.

The mandatory direction of rotation of the objects near the blackholes is called the Lense-Thirring effect . It is also observed near massive planets and stars. It is caused by the fast rotation and the big mass of the singularity , also , It is amplified by the imperfect symmetry of the shape of the blackhole's singularity and also amplified by the imperfect distribution of the real sources of Gravity on that singularity.

Such a huge effect can never be caused by a singularity of a very small size caused by an infinite density. The singularity has a respectful size and hides behind its event horizon.

The axis and the poles of the blackhole can only be because of this rotation. The different detected polarities of the blackholes are because of the different orientations of the axis compared to the earth . Some detectors confirm a very close temperature to 0 kelvin from near the event horizon (we can detect theoretically nothing from the event horizon).

The 0 kelvin zone is the only absolute emptiness zone in universe , it is the absolute vacuum.If a matter reaches somehow that zone it is destroyed because even the electrons stop to move at the real absolute vacuum. Any movement in a 0 kelvin area will raise the temperature so even the smallest quants stop moving in that area and thus the light photons can't pass through it or persist after that zone and nothing can be detected from it .

The photons of light lose their energy till they stop in the event horizon because of an enormous Higgs' interaction (at very low temperatures). There is indeed a gravitational effect on the light but it can't be absorbed by a blackhole.

A blackhole doesn't absorb a star but it destroys it by reducing its energy.The 0 kelvin zone reduces the energy, and since the velocity is also a kind of energy , anything can surpass the event horizon to get into the singularity.

I consider the event horizon around the equators of the singularity because Of the high linear speed .Near the poles the linear speed is very low and thus there happens eruptions of light and plasma(observed) .That is why the 0 kelvin zone around the singularity of the blackhole can only be caused by the huge mass and the extraordinary speed of rotation of the singularity.

The ejections might happen in all blackholes because of their origine (Death of A Star) but their orientations to the earth sometimes make us unable to observe them. All we observe sometimes is a big gravity from an unseen source (the singularity).

The elliptical form of the event horizon seen on the photo of the blackhole of M87 proves an angle  $A < 90^\circ$  between the vector position of the blackhole (The telescope is the origine) and the vector that is the axis of the blackhole and which is slightly tilted to the right .

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