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Black holes observed gates to a parallel universe

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It is shown that inertial reference frames can exist at any speed including the speed of light (sonic speed). It is also shown that at speed very near sonic speed, the reference frame is observed from rest to be a thin sheet with the reduced dimension is the direction of motion. It is also shown that at exactly sonic speed the reference frame shrinks to zero volume. The thin sheet near sonic speed is similar to a flying flag with bends. At sonic speed, a rest observer finds the main body of the sheet shrunk to zero volume, while the bends appear as islands. According to Lorentz mass equation, the mass inside the travelling bends appear to be near infinity concentrated in small area exerting very large gravitational field, while time dilates to infinity. The velocity u' inside the bends as observed from rest is defined as $u' = \lim_{dx' \to \infty} \frac{dx'}{dt'} = 0$ (1). The velocity in (1) is an indication that kinetic energy in space bends is zero, hence no molecular motion is observed from rest and therefore no light can be observed to emerge. The inside of the bends clearly exercises the characteristics of black holes. Assume two large extent inertial reference frames travelling away from each other at sonic speed. Setting the speed of one frame as zero, the other frame is travelling at sonic speed. Let the rest reference frame be large enough to enclose our entire universe. An observer on the sonic reference frame finds that he is at rest and the other reference frame is travelling away at sonic speed. He measures infinite mass with zero volume. The infinite mass may reflect the actual mass of our universe. Similarly, an observer at rest finds also the travelling reference frame to be zero volume with infinite mass. The infinite mass may indicate the existence of a universe comparable to our own traveling at sonic speed. It can be concluded that black holes are the gates that connect the two-dimensional universes.

Biography

Ghassan H Halasa has retired from University of Jordan as Professor of Electrical Engineering. His early education was in Physics. He is a Fulbright Scholar at Murray State University in 2004 and a Visiting Professor at Western Michigan University in 2008. Most of his recent published work was in Electrical Engineering in the field of Renewable Energy. Recently, he published a book as an alternative to the Big Bang Theory.

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