

Title:

Gravity doesn't exist at infinite distances: Relativistic mass equation

Abstract:

The article aims to prove gravity spread out with the speed of light c using relativistic mass equation.

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Article:

See first my new theory: Gravity doesn't exist at infinite distances

<http://vixra.org/abs/1904.0013>

Space curves and spread out with the speed of light c :

Mathematical explanation according to relativistic mass equation:

Energy and mass are interchangeable .Energy freezes into mass with the speed of light c :

Relativistic mass equation:

$$m_r = m_0 / \sqrt{1 - v^2/c^2}$$

Now let's have energy equivalent to mass in this case $m_0 = E_0/c^2$.

$$m_r = (E_0/c^2) / \sqrt{1 - v^2/c^2}$$

Speed of freezing v increases from zero approaching infinity limiting at the maximum speed in the universe c at that point " $v=c$ " the object is completely frozen. The final limit is $m_r=m_0$ the Existence of mass.

"The existence of mass causes non-existences in space causes the space to displace and bend"

Mass starts to exist with smaller speed and reach its maximum " c " and then stops.

The existence of mass causes space curvature just like blowing a balloon inside water container causes water flood the speed in which the balloon is blown is proportional to the speed of water flood. The same idea , the maximum speed of mass existence is the

same as the space curvature speed ,here the maximum speed of existence c is what counts.