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:
\[ mr = \frac{m_0}{\sqrt{1 - v^2/c^2}} \]

Now let's have energy equivalent to mass in this case \( m_0 = \frac{E_0}{c^2} \).
\[ mr = \frac{(E_0/c^2)}{\sqrt{(1-v^2/c^2)}} \]

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 \( mr = m_0 \) 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.