

Antigravity Probe M (AP M)

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AP M is a physical experiment aimed to test the changes of weight of a 3-D gyroscope comparing its mass at rest and during its precession with the purpose to explore the effects of torsion fields, predicted by G. Shipov in his Unified Field Theory published in “The Theory of Physical Vacuum”.

Overview of the Previous Art: Tests of the Gravitation effects predicted by A. Einstein

The NASA/Stanford/Lockheed performed a space experiment “Gravity Probe B” (GP B) to test the effects of gravitation predicted by Albert Einstein in his Relativity Theory.

Albert Einstein predicted the existence of the “Gravitational well” and its impacts on the external spacetime fabric.

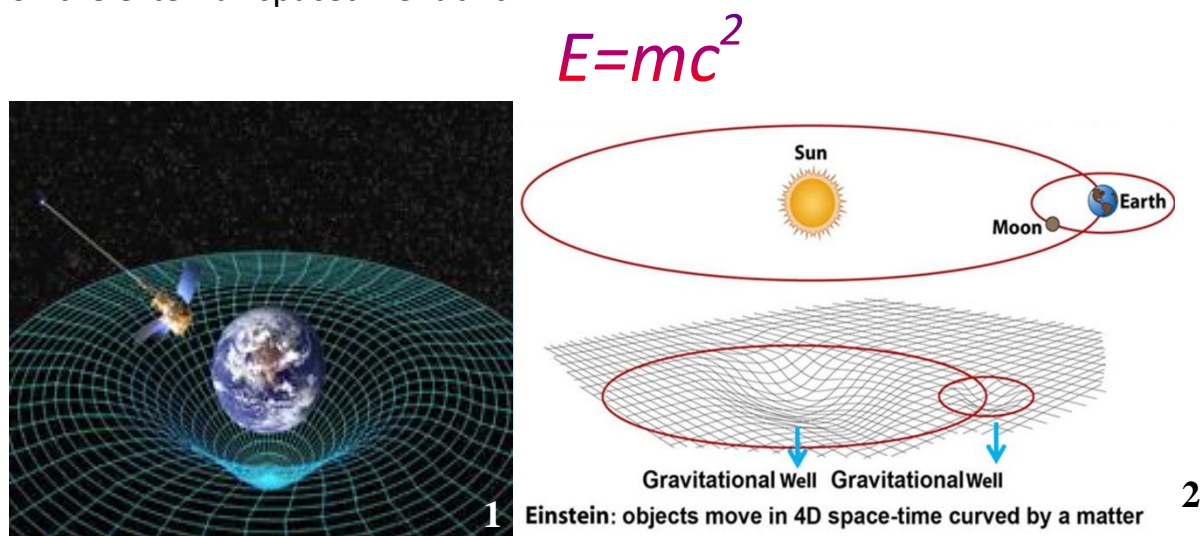


Fig.1. Gravitational Well

2. A.Einstein: objects move in 4-D spacetime curved by matter

Results of the Tests of the Gravitation effects predicted by A. Einstein

GP B proved that the rotation of massive planets, like Earth, can curve and twist (warp) the external spacetime fabric.

Experiment “Antigravity Probe M”

An experiment “Antigravity Probe M” was performed to test the impacts described by G.I. Shipov in his Unified Field Theory or The Theory of Physical Vacuum predicting the existence of the **“Torsion Hill”**:

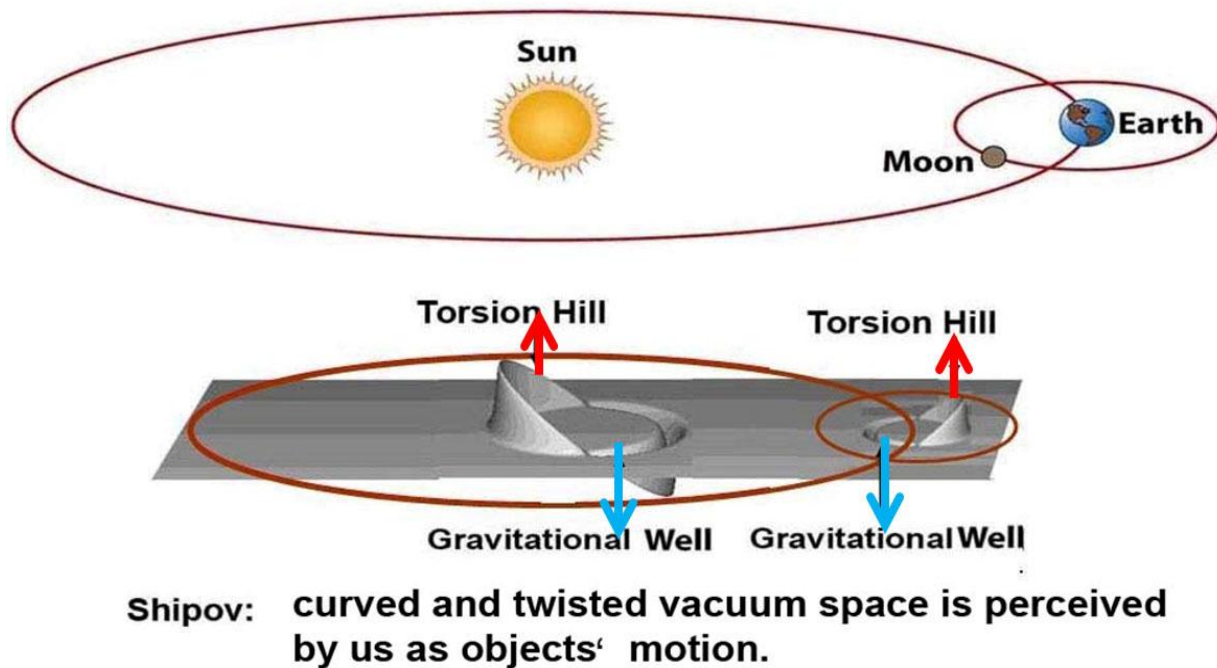


Fig. 3. Visionary concepts of “Torsion Hill” and “Gravitational Well”

“Torsion Hill” controls the conditions of the symmetries of the inner and outer systems.

Procedure of Experiment “Antigravity Probe M”

Dependence of mass on the gyroscopic precession I



Marina Lobova experiment

$$\bar{\Omega} = -\left(\frac{ml}{I\omega}\right)\bar{g}$$



No precession

Precession

$\Omega < 3000 \text{ RPM}$



Fig.4. Testing the dependence of mass on the gyroscopic precession: A) 3-D Gyro at rest; B) precessing 3-D Gyro (slide composed by G. Shipov).

Instruments:

- Mettler balance with the precision - 0.01 g
- Digital photo tachometer with range 2.5 to 99,999 RPM, resolution 0.1 RPM (1RPM over 1,000RPM), Accuracy +/- (0.05%+1 digit).

The original weight of 3-D gyroscope at rest was measured at 46.45 g (Fig.4.A). During precession 3-D gyroscope's weight went down to 46.3 g (Fig.4.B). After 3-D gyroscope stopped to rotate its weight returned to its original weight of 46.45 g. $\Omega < 3,000 \text{ RPM}$.

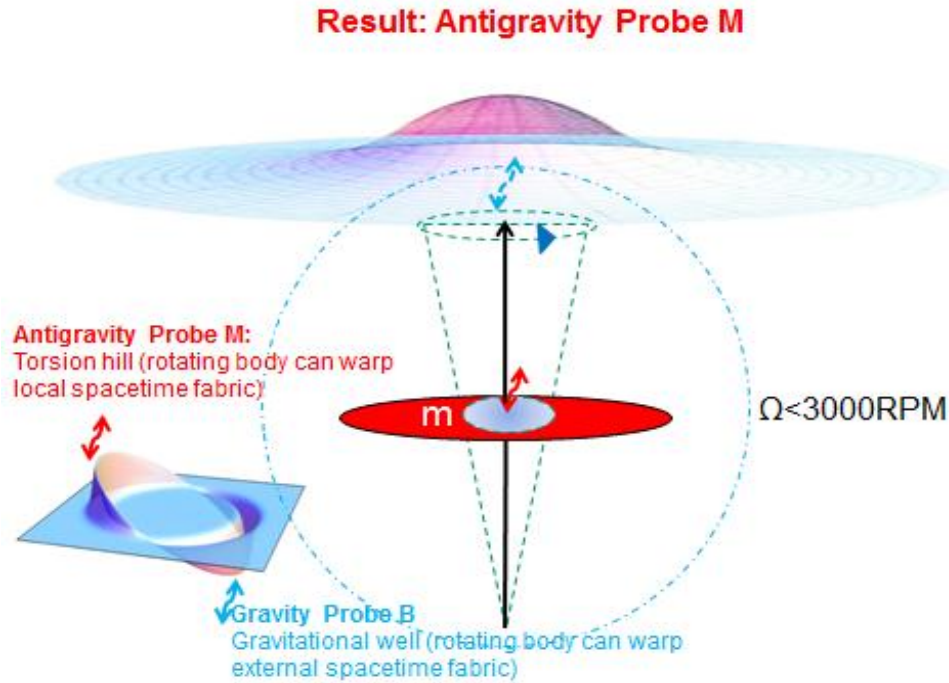


Fig. 5. Rotating gyroscope warps both the **external** spacetime fabric as well as it curves and twists its **local** spacetime resulting in considerable weightloss of the total body system.

AP M demonstrated that the rotation of the total body system curves and twists the inner spacetime continuum of its structural components, resulting in the considerable weight loss of the total body system. *In other words rotating and precessing body of 3-D gyroscope creates sufficient energy to lift up the center of its mass and overcome gravity forces, which looks like weightloss.*

The experiment proves that the mass has got torsion nature and changes occur according to the formula

$$E = m(\omega)c^2$$

The notation (ω) means rotation, spin and torsion nature of mass. It is also designated to symbolize that our project was established in Thailand.

The formula $E = m(\omega)c^2$ describes the dependence of mass on the rotation of its inner elements in a system and generalizes Einstein's formula $E = mc^2$.

AP M helps to understand how Torsion Fields work in Nature.

State of Weightlessness occurs, when Gravity Forces are compensated by Antigravity, created by Torsion Fields:

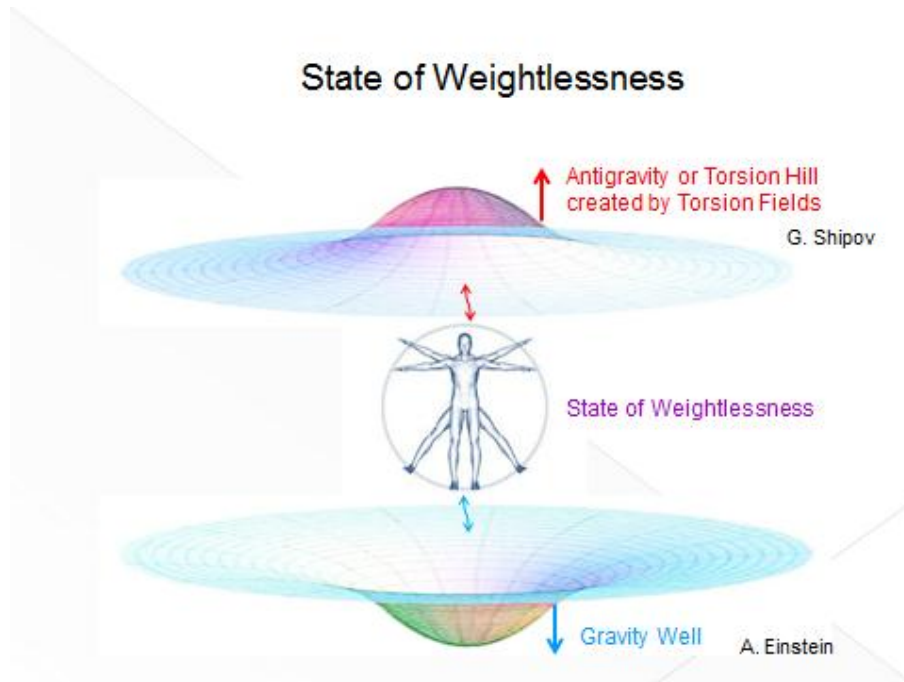


Fig. 6. Conceptual presentation of **State of Weightlessness**.



Fig 7. "Zero Gravity"

Development of Scientific ideas in Classical Mechanics.

Motion:

Isaac Newton: objects move in 3-D flat space under action of forces.

Albert Einstein: objects move in 4-D space-time curved by matter.

Gennady Shipov: Curved and twisted vacuum space is perceived by us as objects' motion.

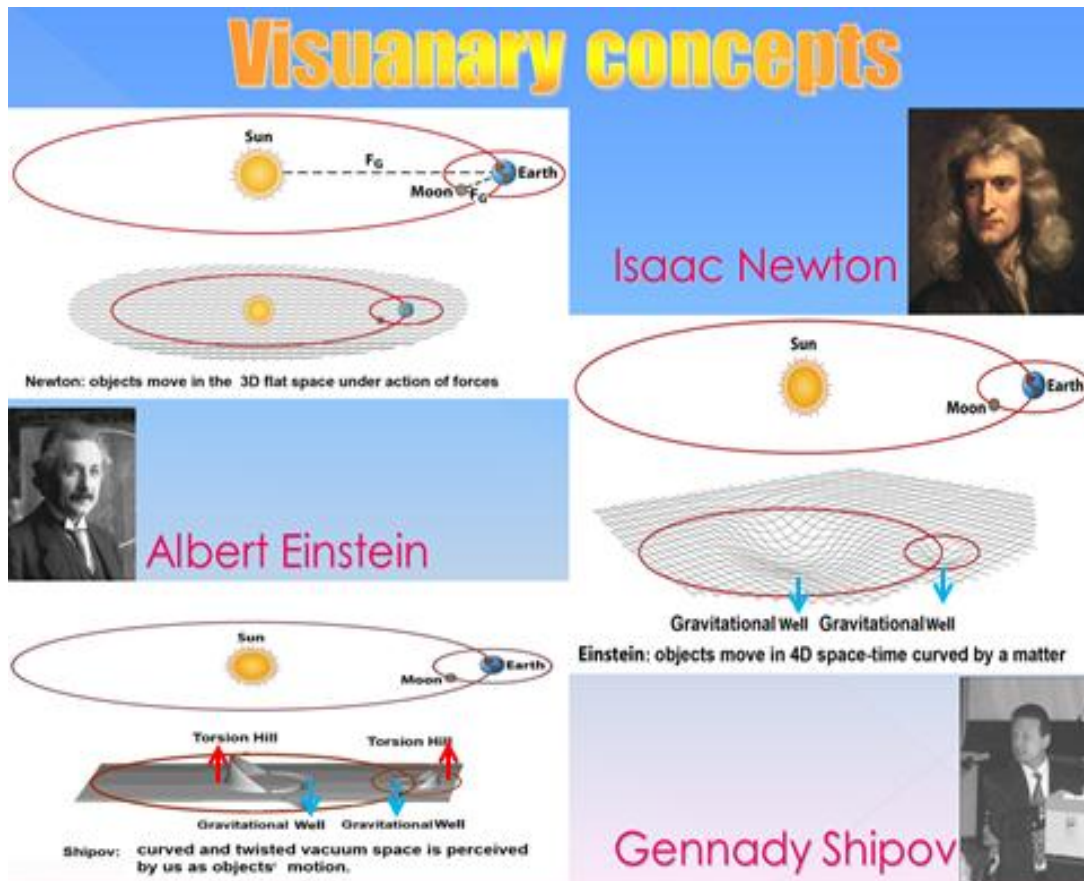


Fig. 8. Development of scientific ideas about motion in Classical Mechanics.

Mass:

Isaac Newton: Mass is a measure of the amount of matter, however one could also state that Mass is a measure of an object's motion in 3-D flat space under action of forces;

Albert Einstein: objects move in 4-D space time curved by matter;

Gennady Shipov: curved and twisted Vacuum space is perceived by us as an object's motion.

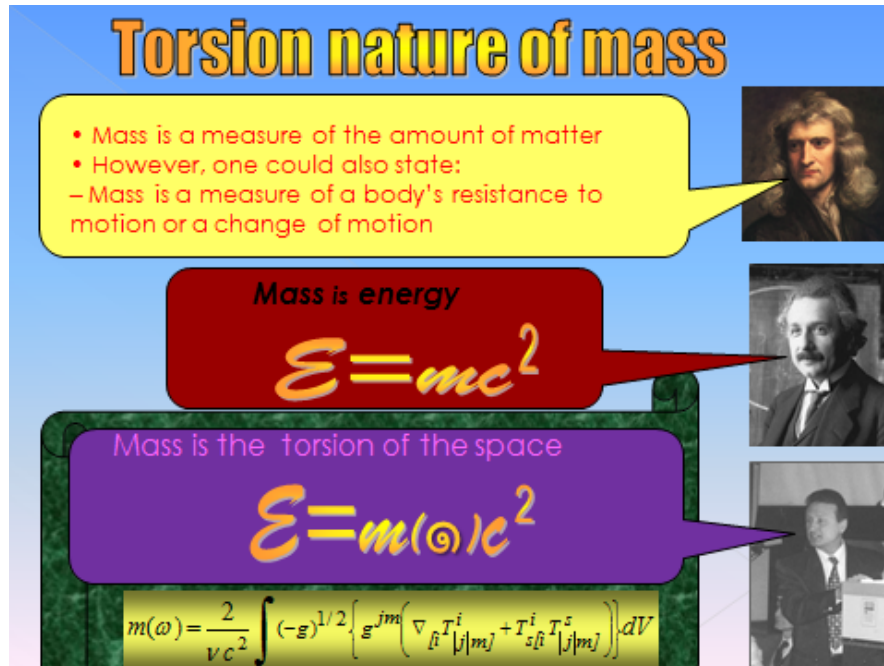


Fig. 9. Development of scientific concepts about mass in Classical Mechanics.

AP M and technological applications.

The experiments with Gyroscopic Propulsion lead us to the creation of “Vacuum Torsion Propulsion System” (VTPS) or a Warp Drive, based upon 4-D Gyroscopes.

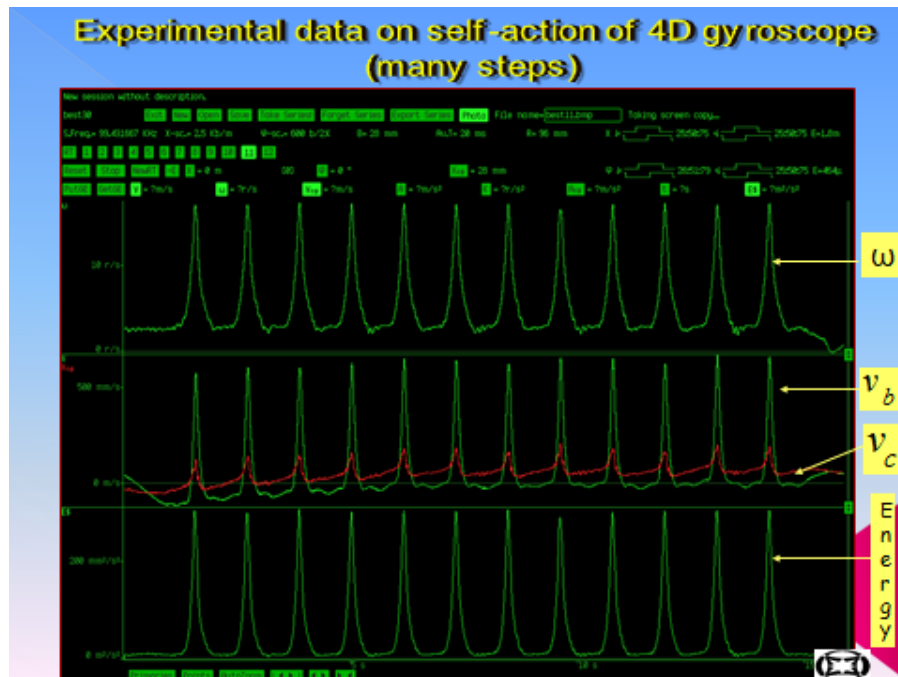


Fig. 10. Scientific experiments with 4-D gyroscope: 4-D moves forward due to the controlled precession of the center of the total mass.

VTPS moves by controlling the conditions of the symmetries of the inner (local) and outer (nonlocal) systems. This type of motion can be called autonomous Reactionless or Motion without Rejection of Mass or Vacuum Teleportation by Metric Engineering of Warp.

The experiments and fundamental research on 4 Dimensional gyroscope had been performed and described by G. Shipov. That work resulted in invention of VACUUM TORSION PROPULSION SYSTEM. Thai patent N 25133 for VACUUM TORSION PROPULSION SYSTEM was issued on December 19 of 2008.

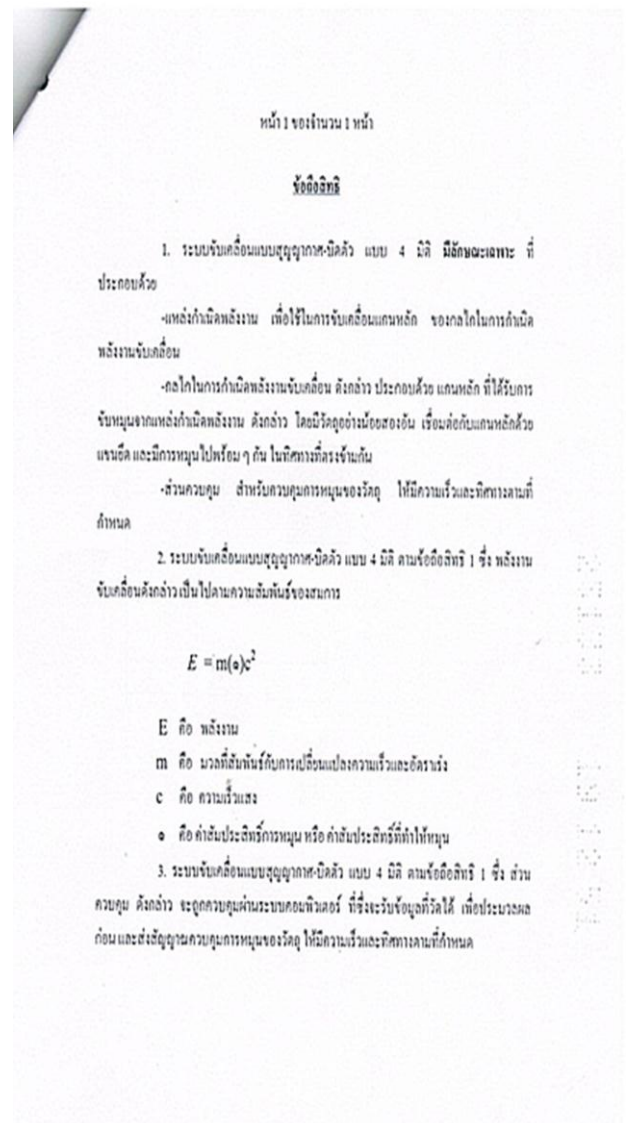


Fig.11. Thai patent N 25133, issued on December 19 of 2008

Vacuum teleportation by metric engineering of warp

Visionary representation

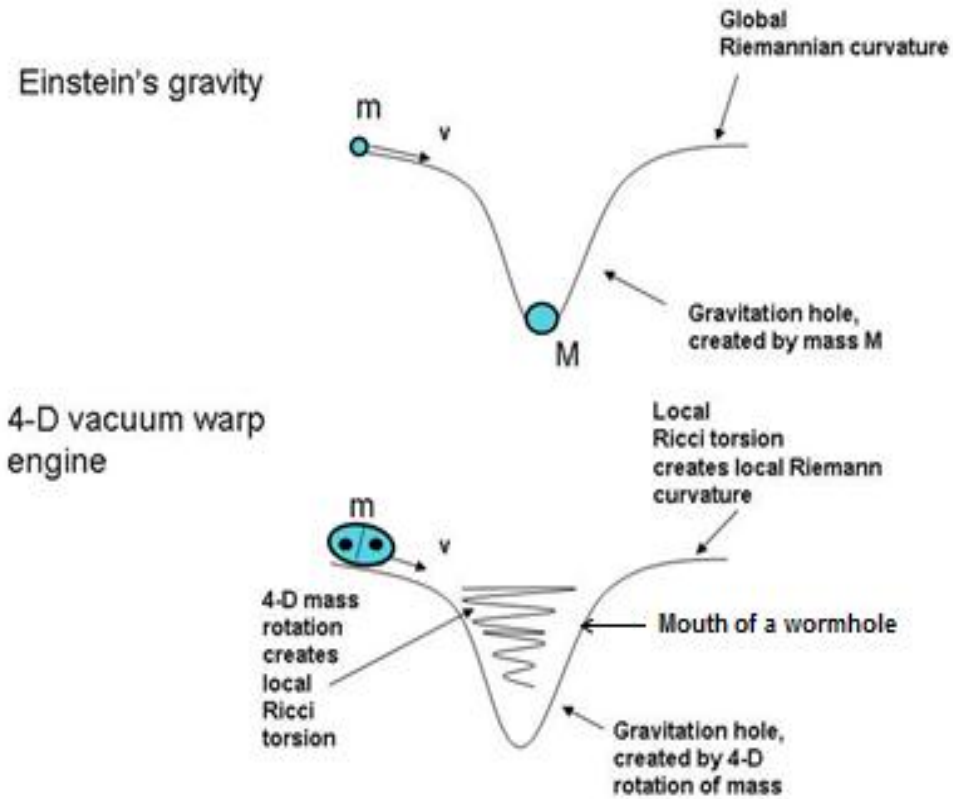


Fig. 12. Concept of Vacuum Teleportation by metric engineering of warp (Thai patent N 25133, issued on December 19 of 2008).

Conclusions:

- ⊙ ***Antigravity Probe M demonstrated that the rotation of the total body system curves and twists the inner spacetime continuum of its structural components, resulting in the considerable weight loss of the total body system.***
- ⊙ ***The experiment proves that the mass has got torsion nature and changes occur according to formula***

$$E=m(\omega)c^2$$

- ◎ *State of Weightlessness occurs due to the compensation of Gravitational fields by Torsion fields*
- ◎ *AP M demonstrated the concept of the Initial Stage of Vacuum Teleportation by metric engineering of warp.*