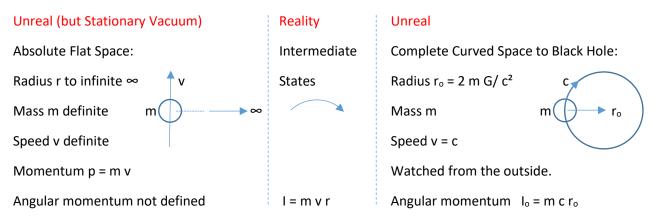
That's the Whole Magic of the General Relativity Theory of Albert Einstein

1. From a Flat Space to a Totally Locked Space by Curvature of the Coordinate System



Einstein assumed that no line is uncurved in this world (excerpt of my vacuum). This fact has already been proven.

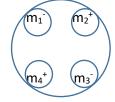
2. Deriving Cosm Features from Friedman, Goedel, Schwarzschild, Kerr, Einstein

Flat Space is an open cosm. Complete curved space decided into locked and open space at the horizon of r_o and into completely locked space inside of r_o . Radius r_o is a sphere of decision. *Relativity of outside and inside is given*. Inside, a radiation's cosm fills the area between r_o and $r_o/2$. Below this area, between $r_o/2$ and almost zero, that's the space of the mass M_o . There are 4 areas of curvature, a gravitational quadrupole. Compensated quantum numbers lead to the stationary cosmos (I called it the stationary vacuum body of my universe).

3. <u>Deriving Cosm Charges (My solutions)</u>

Four spaces are possible generating a Quadrupole according to GRT. IOT: First, there are four ordinary masses with electrical charges. May be these masses are cosms.

$$m_1^-, m_2^+, m_3^-, m_4^+$$

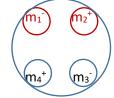


The result is a pure massive sign. No e. m. momentum, no electric charge, no angular momentum. $m = \sum m_{1...4} \quad \text{Quantum number is the mass.}$

Such a microcosm may be an internal mass block.

Second, there are two ordinary masses and two antimasses with charges.

$$m_1^-$$
, m_2^+ , m_3^- , m_4^+



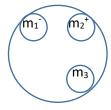
The result is a cosm without any external measurement without any quantum number to the outside.

Such a microcosm may be a Higgs-block (my wording) or the universe itself according to my solution.

4. Deriving Cosm Structure (My solution)

A polarization of three poles (internal cosms) lead to an external difference. For example as follows.

$$m_1^-, m_2^+, m_3^-$$



The result is a negatively integer charged cosm with Angular momentum $1\hbar$, magnetic momentum $n\overline{\mu}$

 $m = \sum m_{1...3}$ Quantum number is the external mass.

Such a microcosm may be an electron of the asymmetry 2+1. Really, an electron has the asymmetry 1+0. It consists of a mass block "e-R" and one parton of negative charge " PK_e -". This is the condition to explain particles' reactions by "Lepton Shift Model" (it is my model of the year 2020 in TBA III) instead of using so-called "quarks".

Further structures become complex by more partons inside. The reason is that GRT does not limit the amount of cosms inside a receptacle cosm.

5. Cosm as ideal Oscillator (My solution: Oscillator-Solution of Arcus)

Before reaching the ideal, unreal event sphere of r_o, there is the sphere of binding radiation at the radius of

 $r_k = 1.125 r_o$.

Upwards from horizon r_o , there is the *Divergent Sphere*, **DS**, from that you think there is a Black Hole, but there isn't this one. There is a state what seems "black", but it is dark gray. Under conditions of falling matter and supporting by radiation, inside the DS, the matter will be compressed from which a new feature of oscillating cosm results. This feature I have called: **Protocosm**, PK (from German Protokosmos, PK). Protocosm locks its internal matter M and E. Therefore, you cannot measure that internal matter. Externally, this state is oscillating. Thus, you measure an outside mass m or energy $E=mc^2=hf$ from the oscillator's frequency f. This well-known equation, I used to describe this new state of a cosm newly born:

m = d/M with d = 4.737 e -16 kg² (const.) the internal mass M is indirectly proportional to the external mass m.

 $m = h f/c^2$ with Planck's constant h, light velocity in vacuum c and the oscillator's frequency f.

These cohesions describe either all the innumerably unstable cosms like PK, neutrons, muons etc. or the only stable cosms like universe, proton, electron neutrino.

First, one can use the equation $m = h f/c^2$ describing an oscillator, receiver, transmitter, resonator as $m_0 = h f_0/c^2$, what is a cosm. That's the oscillator's mass.

Second, one can use that equation for a wavequantum like photon or fallon as momentum mass $m_w = h f_w / c^2$ or wavequantum mass. A fallon is the gravitomagnetic g. m. wavequantum analogously to the e. m. photon.

Particles as cosms, which generate primary exchange wavequanta, and wavequanta as secondary exchange waves are **two different features** of **matter consisting of mass and energy**.

Physical concept of matter describing just materially is not correct.

Internal Mass M_0 is an oscillating spatial wave returning to itself. If it is symmetric, at the outside there is no effect of the processes of the inside. This is my relativity of inside and outside! Just an internal difference, an asymmetry of internal objects reflects an effect to the outside, so the external mass m_0 swinging in the rhythm of the internal oscillation.

Consequently, the world, the universe, is a hierarchical system of cosm features. In the same cohesion, it is an informational system. It is totally locked, but all the inside cosms are temporarily closed by their exchange with their environment. Universe has no material environment. There is no exchange anymore. It is the ideal oscillator consisting of a body of ordinary matter and a body of antimatter to equal parts. Inside this symmetry, just asymmetries work together. Outside, there is no matter, but the preconditions of the Creation.

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