(TOE) a Theory of Everything

Loparev Nikolay

Private research institute “Sirius A + Logos”, astrophysics and mathematics department, London, German

Email address: nikolaj.loparev@googlemail.com

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Abstract: It is (TOE) a theory of everything that fully explains and links together all known physical phenomena with unification of all the fundamental interactions of nature: the gravitation, the strong interaction, the weak interaction and the electromagnetism also explains the existence of the elementary particles.

Keywords: A Theory of Everything, The Black Holes and the White Holes, m-Theory, A New Algorithm for the Calculation of the Weak Gravity

1. The Introduction

1.1. The Mathematical Principle of the Universe

The world around us and we are the best evidence and proof that God created the Universe.

The Live is mathematics!

Mathematics should be able to use then mathematics will alive!

The figure gives the number and the number of newly gives the figure, etc.,

1.2. The Materials and Methods

The research was done by mathematical methods and were used data of the mathematics, physics, astrophysics.

2. Discussion

2.1. The Shape and Content of the Universe

Why does our Universe need a shape? What shape does the Universe have, what do the Walls of the Universe consist of? How was the Universe created, etc.,

If the Universe had no shape, then everything were shapeless in the Universe! The Universe has a singularly shape as an icosahedron [1] that consisting primary of 20 triangles where two triangles opposite to each other glow with laser[2] and the first triangle is less than the second triangle, other 18 triangles of an icosahedron reflect the light. Outside of an icosahedron are more of much the triangles that consisting also of graphene. [3] [4] Only corners and edges of the icosahedron glow. The facets of the icosahedron our Universe does not glow.

![Fig. 1. 20 faces of the icosahedron a form of our Universe before a big clap of our Universe.](image)

Inside the icosahedron was placed the tube of solid 3He [5] [6] that the tube was turned for $2\pi$ twisted around its axis into 10 rings and was put into the shape of the icosahedron of the future Universe. The solid 3He was as a continuous tape and the length of the tape was 100 centimeters and the width was 1 centimeter in diameter).

Initially the Universe had interior diameter 20 cm and 10 rings of the solid tube 3He, that the external form obliques similar as the truncated cone, had a half volume of the interior volume of the icosahedron then the fiery plasma[7] [8] [9] ca. $10^\uparrow 10$ K [10] was pumped under the conditions of the antigravity [11] and under the pressure compressed in
the tube of the solid 3He. The solid 3He was quickly evaporated but before the tube was evaporated was be made the infinite numbers of tetrahedrons.[12] The plasma have become the infinite numbers of the tetrahedrons and also the form of the tube of the solid 3He. Then was a big clap of our Universe with the expansion of the Universe.

![Image](image.png)

**Fig. 2.** The processed photo of the Hubble telescope. It is a plasma with infinite numbers of the tetrahedrons and without a tube of the solid 3He.

### 2.2. The Light and the Elementary Particles

Why was needed the light? The light are photons. Photons pass into positrons, protons, electrons, etc.[47] The light triangles were created for the creation of the atoms and molecules for modelling and a virtual creation because our Universe is a programmed matrix.

The light of the corners and edges of the icosahedron saturated with the light the tube of the solid 3He what the molecular structure is geometrically similar to the set of triangles. The set of the triangles of the tube solid 3He make a set of the light triangle in the fiery plasma because the laser saturated their sides but not the faces of the set of triangles of the tube solid 3He and the set of the light triangles cut the fiery plasma. The fiery plasma fell into tetrahedrons because this place was free bevof the light and the free place from the light place (face of triangles) were occupied by the fiery plasma. These three sides of the each triangle moved and created together on the top a new point – Higgs Boson [13] a new figure was a light tetrahedron. But why they moved and created together on the top a new figure a light tetrahedron? It began isobaric – isochoric process.[14][15]

Usually occurs in the nature at first the isochoric reaction and then isobaric but here was the opposite because all took place under conditions of the antigravity and so was first the isobaric reaction. The Gibbs energy is a thermodynamic quantity[16] which is a function of the state of a thermodynamic system, which subsided in isobaric - isothermal process is equal to the work done by the system. The change in the Gibbs free energy[17] in the thermodynamic process can be expressed in terms of the change in enthalpy and entropy equation for the Gibbs-Helmholtz equation: \( \Delta G = \Delta H - \text{Reaction} \), for which the difference in Gibbs free energy and starting materials <0 proceeds toward the formation of products. With the accumulation in the final products is becoming increasingly important reverse process. The isobaric – isochoric process via Gibbs energy made of each top of tetrahedron (Higgs Boson) and again a new Higgs Boson with a new tetrahedron. Then was a big clap our universe and the universe began to expand or puff up. The atoms and molecules that rotate centripetal and centrifugal [18] to each other. Also every atom in the universe has the form of a tetrahedron. Inside of the each tetrahedron is the core a plasma (neutron) [19] that makes the main mass of atoms and molecules and the corners of a tetrahedron composed of electrons, protons, positrons and one Higgs boson that is the apex of the tetrahedron. Higgs boson joins next Higgs boson and then next tetrahedron also it is together one molecule. All elementary particles can slightly change the mass and charge, but they all turned of the light (photons), and they can be a light (photons) [20] again and the temperature proceeds in the mass and vice versa.

### 2.3. The Mathematical Description our Universe

\( \psi \) is a ratio between a spiral of a plasma with a crossing light area of corners and edges of icosahedron in a ratio 2:3.2 It is the rotation the square to the volume

\[ \psi = 0.25192054494862106571566 \text{ cm}^2 \]

and is the second Feigenbaum constant [21]

\[ C = 26.4633815299843372453382115612098 \text{ cm} \]

is the light and the amount of the length and the sides of the icosahedron (bevor the expansion of the Universe).

It is a perimeter that will make later the light particles with the main 26 particles (bosons) [22] later by expanding universe.

\[ v = A \times \sin 45, \text{ where } v \text{ is a variable of the Universe.} \]

A is a cardinal number. [48] A represents the plasma, that had burned the tube of the solid 3He, with the infinity numbers of tetrahedrons.

\[ A = T \times k \times \eta \times \tau \]

T a temperature of the plasma \( T_1 + T_2 + \ldots + T_n \)

k each ring of the plasma is larger than the previous ring at \( ^{1,301} \)

\[ \eta \text{ are intervals between the tube rings} \]

\[ \Delta \tau = 0.047560744943480285 \]

is the average limit of the bifurcations between 10 rings of the plasma to each other \( \tau = 0.04886074494480285 \) is the upper limit of the bifurcations between 10 rings of the plasma to each other \( \tau = 0.04626074494480285 \) is the lower limit of the bifurcations between 10 rings of the plasma to each other

\[ v \text{ ( variable )} = 10^1 \times 10^5.204 \times 0.04756074494480285 \]

*\( \sin 45 \) then will be entered the result of the expression at the root \( 3 \) it is a factor that occurs by Einstein-Rosen bridge.[23]

### 2.4. The Eleven Standards Gravitational Constants for the Weakly Gravitation [24]

I agree with an Austrian physicist and philosopher Ernst Waldfried Josef Wenzel Mach who said: The claim that the inertial properties of bodies are due to their interaction with the infinity large mass of the Universe. The same means m-
theory. [25][26]

Table 1. For the average limit of the weak standard gravity constants (Gn) for planets and stars [27] are from small to large ± 0.001 (N m kg–2) via formula \( \Delta v=3\sqrt{A}\sin\theta \). The table is for a planets or stars that don’t have an atmosphere or a natural satellites.

<table>
<thead>
<tr>
<th>n</th>
<th>( G_n )</th>
<th>( 3\sqrt{A}\sin\theta )</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>1.2335743047349558141217327</td>
<td>1.1506960540224371435055873</td>
</tr>
</tbody>
</table>

*S1 is average G1 and S2 is \( 3\sqrt{A}\) average G1

| G1 (e.g. The planet Mercury) | 3\( 10^{10}\)1.301\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 1.52363826616513047280077 |
| G2 (e.g. The planet Jupiter) | 3\( 10^{10}\)2.602\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 2.44983575417986346693 |
| G3 (e.g. The planet Earth) | 3\( 10^{10}\)1.301\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 3.99055191606008772349 |
| G4 (e.g. The planet Mars) | 3\( 10^{10}\)5.204\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 6.33354941252466022504 |
| G5 (e.g. The planet Neptune) | 3\( 10^{10}\)6.505\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 10.1836217605139579861743 |
| G6 (e.g. The planet Jupiter and the star Sun) | 3\( 10^{10}\)7.806\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 16.374096559290911760428 |
| G7 | 3\( 10^{10}\)9.107\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 26.3276716815833033796742 |
| G8 | 3\( 10^{10}\)10.408\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 42.3318795899971543427862 |
| G9 | 3\( 10^{10}\)11.709\( 0.0475607449480285\)±0.0013*\( \sin45 \) | 68.0648120122587034837072 |

The upper limit of gravity is for a planets or stars that have an atmosphere or a natural satellites. The planet earth has both e.g. For planet Earth: \( \tau \) is the bifurcations (see below); \( \tau = 0.0475607449480285*0.0013+0.0488607449480285 \)

Table 2. Of the weak standard gravitational constants (Sn) for the satellites ± 0.001 (N m kg–2) In case if they don’t have an atmosphere or any planet or stars.

| S1(Moon) | 1.2335743047349558141217327 |
| S2 | 1.1506960540224371435055873 |

*The average adiabatic index \( h \) for planets and stars is: \( h = 1.2360552820587405394937118 \) (J / kg • K)

2.6. The Manifestation of Fibonacci Numbers in Nature

The average adiabatic index \( h \) for planets and stars is: \( h = 1.2360552820587405394937118 \) (J / kg • K)

2.7. The Black Holes and the White Holes, Enstein-Rosen Bridge

Our Universe is not only expanding/ puff up but also rotating at the same angle at which the tube of the solid 3He was unwound and it is sin 45 degrees. The fiery plasma took the same form but only increased in size and scope later together with expanding universe. The Universe is unwinding spiral-wise and in the shape of funnel. It is devised so that black holes could form. The black holes [31] are form due to spiral-wise eddy motion of the Universe. The black holes in the Universe look like occasional eddies in the water. The super dense stars were formed in black holes as a result of a compactification (e.g. giants Gas clouds are passing into the black holes compacting in the black holes and come out from white holes in the Universe as a stars). Later from these stars will get also a planets. It was 10 rings of the solid tube of 3He. The factor \( 1.301 \) explains a quantitative ratio of these rings to each other and makes a diameter of the black holes. It explains: Why the black holes with a different radius have also the different (eukaryotes). It is needed for the life existence not only water, the atmosphere, etc. The planet must have also a satellite/s and Mars has two satellites (Phobos and Deimos).
limit of the absorption of the plasma and other particles?!
Due of the factor $1.301$ occurs the refraction of the space of
the Universe! The Space is not the emptiness it is not only
vacuum therefore occur the refractions of the space of the
universe. In the Universe obtained refraction and the twisting
of space in the form of funnels and they are black holes. In
the Black Holes occur a polytrophic processes. [32]

A black holes are obtained on the edges of the spiral-
plasma movement, and the space is refracted twisting and
rotating.

A black holes are passed on in a white holes across Enstein-
Rosen bridge.

The black holes look similar as the geometric cone.[33]
The plasma with other particles are circular ,spiral with
downward movement moving through black holes.

The walls of the black holes are consist from a liquid 3He
if a liquid 3He ends so ends also the form of the geometric
cone of the black holes and so ends also the roundabout
circulation of plasma and other particles on the walls of a
black holes.

As a result of this change is $3\sqrt{\pi}$ , a polytrophic processes
end and occurs the Einstein-Rosen bridge, where begins the
adiabatic process. Adiabatic process [34] is a special case of
a polytrophic process.[35] By the adiabatic process is
$T(temperature) = const, V(volume)$ of the plasma and other
particles usually becomes three times less ca. at $3\sqrt{\pi}$,
$p( pressure will be ca. at three times bigger ^3$ . The Einstein-
Rosen bridge looks geometrically as the apex of the parabola
of the system: the Black Hole $\rightarrow$ Einstein Rosen Bridge $\rightarrow$
White Hole.

2.8. The Time is the Vector and Scalar

The Time are events, energy or objects by a movement of
three-dimensional space of Universe in which occur the
quantum fluctuations. [37][45][46]

The Universe consists of tetrahedrons, and therefore we
have three dimensions in our Universe 3 (the length, the
width and the height) + 1(the Time) = 4 dimensions - quote
Lorentz, Poincare, Minkowski.[38]

The numbers of edges of a figure determines are the
numbers of dimensions the Universe!

If we would like to create any Universe of some other
shape, for example, as a dodecahedron.

A dodecahedral object composes of twelve regular
g pentagons then it will be 5 dimensions + 1(time), etc.

2.9. The Reference Systems of the Universe

Our universe has inertial and non-inertial reference system.

[39]

All inertial frames are in a state of constant, rectilinear
motion with respect to one another; an accelerometer moving
with any of them would detect zero acceleration .e.g. By
creation of the tetrahedrons.

A non-inertial reference frame is a frame of reference that
is undergoing acceleration with respect to an inertial frame.
An accelerometer at rest in a non-inertial frame will in general detect a non-zero acceleration. In a curved space-time all frames are non-inertial [clarification needed]. The laws of motion in non-inertial frames do not take the simple form they do in inertial frames, and the laws vary from frame to frame depending on the acceleration. To explain the motion of bodies entirely within the viewpoint of non-inertial reference frames, fictitious forces (also called inertial forces, pseudo-forces and d’Alembert forces) must be introduced to account for the observed motion, such as the Coriolis force or the centrifugal force, as derived from the acceleration of the non-inertial frame. As stated by Goodman and Warner, “One might say that F = ma holds in any coordinate system but by leaving the spiral of the plasma there are 9 intervals.

Follow the principle that the universe is the hologram then our universe shall have nine standard constants obtained for nine intervals spiral:

### Table 3. Of the strong constants.

<table>
<thead>
<tr>
<th>Interval</th>
<th>Constant</th>
<th>ED</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td>1.18</td>
<td>ED</td>
</tr>
<tr>
<td>2.</td>
<td>1.18/2 = 1.3924</td>
<td>ED</td>
</tr>
<tr>
<td>3.</td>
<td>1.18/3 = 1.643032</td>
<td>ED</td>
</tr>
<tr>
<td>4.</td>
<td>1.18/4 = 1.93877776</td>
<td>ED</td>
</tr>
<tr>
<td>5.</td>
<td>1.18/5 = 2.2877577568</td>
<td>ED</td>
</tr>
<tr>
<td>6.</td>
<td>1.18/6 = 2.699554153024</td>
<td>ED</td>
</tr>
<tr>
<td>7.</td>
<td>1.18/7 = 3.18547390056832</td>
<td>ED</td>
</tr>
<tr>
<td>8.</td>
<td>1.18/8 = 3.75889520256706176</td>
<td>ED</td>
</tr>
<tr>
<td>9.</td>
<td>1.18/9 = 4.435453859151328768</td>
<td>ED</td>
</tr>
</tbody>
</table>

*(Note that with each successive interval increases the degree of ED 1, 18).

Due to the shortage of the liquid 3He (dark matter) that participates in the formation of the black holes, the universe is expanding/puff up and shrinking and therefore appear two new standard constant as pre-ED effects.

### Table 4. Of the strong constants with pre-ED effects.

<table>
<thead>
<tr>
<th>New Constant</th>
<th>ED</th>
</tr>
</thead>
<tbody>
<tr>
<td>10√1.18 = 1.08627804912 ED</td>
<td>1.113√1.18 = 1.056721805258721 ED</td>
</tr>
</tbody>
</table>

From the above it follows that m-theory is correct, for both strong and weak - gravity! But the first Feigenbaum constant is not just only one. It is one of the eleven standard constants that occur in nature by the deformation of the sample under the influence of an electric field (or electrostriction effect ED).

### 4. The Summary

#### 4.1. The Chemical Elements

The creation of the chemical elements from the plasma. Each new chemical element is obtained by rotating the tube at sin 45°. E.g. For Helium (He) is needed to turn the tube at 45°, to obtain iron (Fe) is needed to turn the tube for 6.5x, ..., Ruthenium (Ru) for 11x, ..., Silver (Ag) for 11,75x, ..., Gold (Au) for 19,75 π etc. Then will be needed to do the antigravity conditions, since only in this case, it happens creation of chemical elements.

Of course it can be done the rotation not only by sin also by cos and it can be used a solid tube also of H2.

Our universe exist 9 (standard gravitational constants for the stars and planets) + 2 (natural satellites). It is together 11 standard gravitational constants.

Our universe has 2 (square) +1 (volume) + 1 (time) = 4 dimensions.

The m-theory [17][18][19] is correctly for the weak and strong gravity.

#### 4.2. About Dark Matter

Dark matter, that which is observed in telescopes consists of the liquid 3He, the cooled remnants of the plasma, of quarks, gluons. If follow the approval in the astronomy and cosmology, as well as in theoretical physics: the dark matter is a hypothetical form of matter that does not emit electromagnetic radiation and does not interact with it. Then this statement is dark matter may be neutrons which are obtained from the cooled plasma. Then why am I mean that dark matter is a liquid 3He? Because liquid 3He involved in the formation of black holes, without which it would be impossible creation of a new objects. So, the focus and is for me the liquid 3He.

#### 4.3. The Colors of the Universe

The photons, bosons, leptons, ..., and other elementary particles do not have such characteristics as a colors are the particles that make the different wavelengths. This is a subjective perception of the wavelength that they make. The colors also create wavelengths. Therefore the assumption that
the leptons make also the color charge of a particle can be true.[50]

The wavelengths of the light (photons) and other elementary particles may also reflect upon the atoms (neutrons) in the events if the atoms (neutrons) are not in a plasma state, as the atoms (neutrons) have a high enough temperature, they will become a state of plasma and wavelengths of the light (photons) and other elementary particles will not reflect upon them, but it can take place through them. So all heated objects neutrons are in plasma state, seem one and the same color, although these objects may have different molecular structure.

5. The Jumping Universe

Our universe is not only expanding or puff up uniformly in all directions but our universe is also shrinking. By the breaking and rotation of the space of the universe, if the rotating and breaking space of the universe can not occurs liquid 3He (dark matter) [43] then could not be converted any black holes and no black holes as well also no white holes (quasars). And therefore can not be done any formation of stars that occur usually during the transition from the fiery plasma in the black holes to white holes across Einstein-Rosen bridge expands/puff up our universe. What happens when the universe is can not expanding outside? Then is our universe shrinking inside. The relation of the expansion or shrinking of volume of the universe to the compression of the universe is ca. 1 unit of the expanding volume to by ca. 0.5 unit to the shrinking volume of the universe. The universe will do one step forward and half of the step back!

6. A Jumping Universe and the Diseases

A jumping Universe makes over 90% of the diseases. Why? A jumping universe makes a jumping gravitational waves these gravitational waves are going through the all universe and make the jumping adiabatic indexes also of the planet Earth that shall be for a better health of people h =1.3909077770113154753746327 (J/ kg • K)

The cell cycle does not have the adaptation for the rapid changes of the adiabatic indexes therefore the jumping universe makes instability of the cell cycle of the each organisms. The cell cycle of each organisms will be disrupted and as results come out a mutations of cell cycle then will soon also the diseases and also disability.

7. The Results the Calculation of TOE

Via Julian Calendar

The expanding/puff up process of the universe will end in 5058 year because the plasma from the spiral will end and it will begin the c shrinking process that will continuous 20 years till 5078 and the universe will contracts back. The date ca. 24.11.5079 at 4 hours 41 minutes and 12 seconds will be the last date for the biological life of our universe!

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Many thanks for those who published my manuscript.

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