Review Article

Axiomatics of Cosmology

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The Truth admits of being learned no further than the system theory of mathematical continuum which is the only a *priori* existing reality. The rest can and must be derivable more deductively than inductively. The symbiosis of both ways does necessarily lead to the unified theory which is a formal axiomatic system. As such, it is subject to the Kurt Goedel's Meta theorem implying that the final scientific knowledge ever achievable by the human civilization will not be without metaphysical kind of component. It is as if Providence vindicates.

My previous article in the ATCP intended to provide some major elements of mathematical cosmogony. Now should follow basics of axiomatics of cosmology.

The figure 1 of the previous article images the trifurcation Big bang event as the beginning of cosmological scenario (1)

$$\{\Phi \times \arctan i_1 \times i_1\}^{\Phi \pi e i_1} = \frac{10^{35}}{©@}. \tag{1}$$

At first was darkness, then came light

$$\{\{\Phi \times 90 \times i_1\}\, ci_1\}^{G\dim G} = \sqrt{e^{\Phi \pi i_1} \cdot 10^{65}}. \tag{2}$$

The absolute-geometric cosmology can be unfolded in many different but equivalent ways. One of fundamental connections of (2) is

$$\frac{G}{dimG} = \Pi_{Cosm.} \sqrt{\sqrt{e^{\Phi \pi i_1} \cdot 10^{65}}} = \frac{10^9}{\cos 2\Theta_{STR.}}. \tag{3}$$

What is crucial a point, the universal gravitation appears to be derivable from the very beginning already in the radiation era

$$\{\Phi \times 90 \times i_1\} \cdot G_{6.673} = \frac{2}{\Phi} \cdot 1000.00... \tag{4}$$

It is the irony of history that on the right side emerges the coefficient to the electron radius discovered by Max Born at the dawn of QM. If it were noticed earlier and in due manner, the history of physics could have been a bit otherwise. As context testifies, Born himself recognized the Φ. But, for such an attempt to link theoretical physics

to the mysteries of number theory, he would have been laughed at and spat upon. Science sometimes is more conservative than religion.

Necessarily and accurately

$$\{\Phi \times 90 \times i_1\}\, G \dim G \left\{1 - \sqrt{\frac{3}{7541 \cdot 10^7}}\right\} = 1000 \dim E \tag{4}$$

It should be pointed out that the final theory is made not exactly by formulae, but more by the beauty and consistence of higher order approximations. The self-perturbation effect of the system never vanishes. The theory itself is nontrivial. In the previous case geometry displays a sample of non-triviality in solutions

$$^{\Delta_1 - 137}\sqrt{\pi - \sqrt[3]{7541}} = \mathbf{85376} \cdot 10^{49}. \tag{4}$$

This is accurate up to $\pi = 3.141\ 592\ 653\ 5...$

Every time we need to justify asymptotical HIs by means of absolute geometry alone. For example,

$$\mathbf{85376}^{\Phi \pi e i_1} = \mathbf{4724} \cdot 10^{83}. \tag{5}$$

This golden braid of HIs never ends because of the universality of the system.

Universality implies that fundamental equations can and must be written in any manner one would like. The only requirement concerns the use of nothing but the absolute-geometric parameters and reliable experimental data. Probably, the shortest possible equation for the radiation-matter unit particle would look as

$$G \dim G \left\{(\Phi(90 \cdot \Delta_{Exprm.})i_1)\right\} \cdot m_e \dim m \cdot e^{\pm} \dim e^{\pm} \tag{6}$$

$$= \textbf{\textit{Electron}}..$$

It is now already trivial to see that

$$\textbf{\textit{Electron}} \cdot \mathbf{D}\{4\}^{\times}_{+} = \frac{10^{107}}{e^{5\Phi \pi i_1 e \sqrt{2}}}. \tag{7}$$

Consequently, both the topology of four-dimensional Plato's solids and the ultra-operator do really exist in the absolute calculus.

The fundamental mass spectrum (being a puzzle till now) is derivable in many ways, including

$$Electron \cdot N_{1837.409999} = \frac{9 \cdot 10^{16}}{1311947}. \tag{7}$$

Having got certain experience in this theory, everyone would guess here the connection to the nuclear strong force parameter, notably,

$$1311947 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} = \frac{670000000}{3}. \tag{8}$$

The following can be called the nucleon-electron fermion-boson unity:

$$\{N \cdot Electron\}\left\{F = \frac{\Phi\pi}{4}\right\} \cdot \left\{B = 10\left\{\frac{\Phi\pi}{4} - 1\right\}\right\} = \frac{10^{12}}{\Phi^3}. \tag{9}$$

The unified theory is an experimental science. It is the result of numeric experimentations alone, though experiments owe to intuition and imagination. The two notations of geometry for fermions and bosons correspondingly come from the colossal amount of experiments.

The total number of stable chemical elements is derivable as follows

$$\sqrt[e]{\left\{\{N \cdot Electron\}\left\{\frac{\Phi\pi}{4}\right\} \cdot 10\left\{\frac{\Phi\pi}{4} - 1\right\} \times 92\right\}^{\Phi\pi i_1}} =$$
$$= \frac{15895}{3} \cdot 10^{28}. \tag{10}$$

By the very idea the above should be something fundamental implying that the HI on the right is obliged to be somewhat specified even from the absolute-geometric point of view.

Let us use this opportunity to demonstrate what is meant under the concept of numeric experimentations.

Absolute geometry, unless we are accustomed to it, consists of nontrivial solutions. Therefore, it prompts us to look for some nontrivial numbers so far unknown in mathematics. We have discovered one of them

$$\exists = 571\ 100\ 522\ 647\ 717\ 554\ 761\ 906\ 724\ 501...;$$
$$\exists^{-1} = 175\ 100\ 522\ 647\ 717\ 554\ 761\ 906\ 724\ 501... \tag{11}$$

Anyway, we may use in theoretical practice a shorter fraction 5.71100522647... It is the problem of my poor English to explain this number in detail. In the universal system everything is connected to everything with no exclusion. It was an awful failure and shame for us if the above nontrivial number and the nontrivial ultra-operator are not compatible. But by Providence

$$\sqrt[3]{e^{5\Phi\pi ei_1\sqrt{2}}} = \frac{\{3,5,17,257,65537\}_+^\times}{10^5}\left\{1 - \frac{1}{2103.455108}\right\}. \tag{12}$$

The magic of our geometry is that any corrections are computable. In the given case it is simply as foresee ably standard as

$$. \ 2103.455108 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} = \frac{1074215}{3}. \tag{13}$$

One of greatest ever discoveries in sciences is Gauss's solution of the equation

$$x^N - 1 = 0.$$

$$\left\{15895 \cdot \{3,5,17,257,65537\}_+^\times\right\} \cdot \frac{360}{\Phi} = 10^{21}\left\{1 - \frac{1}{3828.01183}\right\}. \tag{14}$$

It goes without saying that the self-perturbation effect is caused by

$$3828.011831 \cdot \mathbf{U_E} = \frac{2595689}{3} \cdot 10^7. \tag{15}$$

But, there is other way around, notably

$$3828.011831 \cdot \mathbf{U_E} = Spin \cdot 10^{12.999...} \tag{16}$$

Perhaps, the ATCP is the only scientific platform who dares to publish a scientific work where constantly mentioned Providence. The mystique is that the previous type of expressions ending with imprecise power 13 is not unique. It tends to be encountered when something is finalized. The matter is that the providential code for the entire history of geometry from the antique Greeks to this text reads:

$$^{Euclid-Prolemy}\ 360 \cdot$$
$$\cdot ^{Fermat-Gauss}\{3 \cdot 5 \cdot 17 \cdot 257 \cdot 65537\} \cdot \tag{17}$$
$$\cdot ^{Absolute\ geometry}\ \Phi\pi i_1 = 10^{12.999...}.$$

Although we believe in the ultimate exactitude of geometry, we may just for exercise compute the intrinsic fluctuation inside the previous metaphysical system

$$1 - \frac{1}{4085.862055} \tag{18}$$

The 10-digit portable calculator gives

$$4085.862055^{\Phi\pi ei_1\sqrt{2}} = \frac{17424785}{3} \cdot 10^{83}. \tag{19}$$

It is firmly established that the universal mathematical machine works as a 10-digit calculator. The installed *Microsoft* calculator changes nothing

$$4085.862055005095999...^{\Phi\pi ei_1\sqrt{2}} = \frac{17424785}{3} \cdot 10^{83}. \tag{20}$$

The code of scientific history has to be the self-reference of geometry, indeed,

$$\left\{\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{Spin}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\} = \frac{4770672402}{17424785}; \tag{21}$$

$$e^{5\Phi\pi ei_1\sqrt{2}} = \frac{4507 \cdot 10^{59.9999999...}}{4770672402}. \tag{22}$$
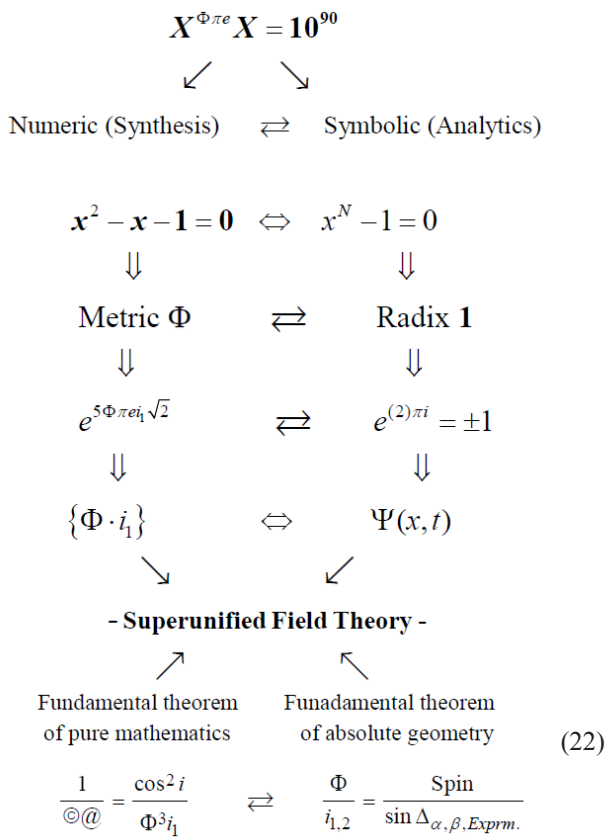
So, how the history of the exact sciences developed by the human civilization rounds up. Could this history have been otherwise? Hardly, even alien civilizations, if any of them at all, would have first accumulated a sufficient resource of observational and experimental knowledge before the synthesis of partial theoretical schemes like QM and GRT becomes feasible.

In addition, the Φ-unification will remain impossible until after any given civilization possesses the technology of microelectronic computing devices at accessible to everyone prices. Consequently, the Earth civilization arrives at this theory we relate in due time,

no later and no sooner. However, frankly speaking, theoretical physics stagnated too long in awkwardness of its illogicality and mathematical complications exceeding the need. I wanted to see the final theory and dreamed of being able to understand it. I studied physics only for this purpose. But, I waited too long in vain and became desperate. Once on the evening I decided to have any possible super unifying field theory on my own. Thus, immediately in 1987 I published a popular scientific, or else, philosophical article, titled **The point and the Universe**. It contains some good guesses. It is worth of mentioning also that since student years I knew that without the explicit construction of time axis in geometry the exact sciences will remain just sort of fictional literature for flattering intellectual snobbery.

Now the unified-theoretical synthesis infinitely simplifies fundamental physics and makes it a pass time entertainment for any wishful one. Theoretical sciences are going to be democratized.

Paradigms change now, and abruptly. Yet, the solution to the final problem of the exact sciences lies in the following simplest possible bifurcation dualism (Scheme 1):

$$X^{\Phi\pi e}X = 10^{90}$$

$$\swarrow \qquad \searrow$$

Numeric (Synthesis) $\quad\rightleftarrows\quad$ Symbolic (Analytics)

$$x^2 - x - 1 = 0 \quad\Leftrightarrow\quad x^N - 1 = 0$$

$$\Downarrow \qquad\qquad \Downarrow$$

Metric Φ $\quad\rightleftarrows\quad$ Radix **1**

$$\Downarrow \qquad\qquad \Downarrow$$

$$e^{5\Phi\pi e i_1 \sqrt{2}} \quad\rightleftarrows\quad e^{(2)\pi i} = \pm 1$$

$$\Downarrow \qquad\qquad \Downarrow$$

$$\{\Phi \cdot i_1\} \quad\Leftrightarrow\quad \Psi(x,t)$$

$$\searrow \qquad\qquad \swarrow$$

- Superunified Field Theory -

$$\nearrow \qquad\qquad \nwarrow$$

Fundamental theorem $\qquad$ Funadamental theorem
of pure mathematics $\qquad$ of absolute geometry $\qquad$ (22)

$$\frac{1}{\text{©}@} = \frac{\cos^2 i}{\Phi^3 i_1} \quad\rightleftarrows\quad \frac{\Phi}{i_{1,2}} = \frac{\text{Spin}}{\sin \Delta_{\alpha,\beta,Exprm.}}$$

As it is seen, the fundamental theorem of mathematical harmony bifurcates into the above two wings of mathematical description of Nature. Following the Western traditions science pursues dualistic logic of 'Yes or 'No'. The third is excluded. In the East it is notably the third as the combination of 'Yes' and 'No' in due proportion makes the weather. In the given case the Third is the unified theory of quantum fields and fundamental interactions. The Truth is always the Third, and *vice versa*.

What the super unified theory unifies is nothing but arithmetic and theoretical physics, the latter based upon the phenomenological data. The purpose of the theory is to derive totally unified equations of Nature in her entirely cosmic scale.

The universality of the system under consideration assures the freedom in writing things in whatever manner one would like. As someone said, mathematics is freedom. It is really so in the absolute geometry. The rule is simple: If one happened to write on the left side something valid in Nature, then on the right he/she will obtain either HIs, or parameters of absolute geometry. Thus, it is impossible to get wrong results and mislead the decent public. The self-proof or refutation of formulae and equations in this geometry proceeds automatically. Secondly, the method of absolute geometry is the construction of topological configurations and those configurations can be shorter or longer, but never be wrong provided only that one uses right topological numbers as in case of the Fermat's five primes. Equations of Nature are always gigantic topological knots. As it is said in the literature, the 4-dimensional topology is most difficult in mathematics compared with even higher dimensions. Why so? The reason is that the four dimensions are not uniform because of the temporal dimension. In other words, topology of space-time is exclusive.

Anyway, the four-dimensional curved and torsional absolute/relative Newton/Einstein space-time has to be written in two ways: First,

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1)\dim_\Phi \Phi^3 \sqrt{i_1 i_2} \right\},$$

$$\left\{ \mathbf{D\{2\}}_+^\times = \{3,5,17,257,65537\}_+^\times = 282690452389605 \right\} \times$$

$$\times \left\{ \mathbf{D\{3\}}_+^\times = \begin{array}{|c|c|c|}\hline 4 & 6 & 4 \\\hline 6 & 12 & 8 \\\hline 8 & 12 & 6 \\\hline 12 & 30 & 20 \\\hline 20 & 30 & 12 \\\hline\end{array}^\times_+ = 313714645401600000 \right\} \times$$

$$\times \left\{ \mathbf{D\{4\}}_+^\times = \begin{array}{|c|c|c|c|}\hline 5 & 10 & 10 & 5 \\\hline 8 & 24 & 32 & 16 \\\hline 16 & 32 & 24 & 8 \\\hline 24 & 96 & 96 & 24 \\\hline 120 & 720 & 1200 & 600 \\\hline 600 & 1200 & 720 & 120 \\\hline\end{array}^\times_+ = \right.$$

$$\left. = 2.833843898625907034 1838012416 \cdot 10^{45} \right\}.$$

These two configurations should be conjugated to make one unified structure. For this purpose geometry will need certain powerful coupling mechanisms like

(c) $\qquad\qquad G \dim G$

Therefore, the Universe as space-time shall be

$$\{\mathbf{abc}\}. \qquad (23)$$

The previous complex is reducible to the fundamental Fi-invariance in a standard way already known to us

$$\sqrt[10]{\arccos\left\{\lg\lg\lg\frac{\{\mathbf{abc}\}}{10^{79}}\right\}}=1.618032806. \tag{24}$$

Now that the abc-geometry can and must be filled with physical content. We have agreed that the contemporary physics asks to be configured by

(d) $\qquad \dfrac{Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)}{\alpha a_e}.$

Therefore, the ultimate object for our studies becomes the **abcd**-super unification. Of course, the problem had been resolved by the Supreme Intelligence at the very moment of the Creation Act. The solution reads

$$\sqrt[10]{\arccos\left\{\lg\lg\lg\frac{\{\mathbf{abcd}\}}{1\cdot2\cdot3\cdot4\cdot5\cdot6\cdot7\cdot8\cdot9}\right\}}=1.618032782. \tag{25}$$

The entire evolutional process in cosmology is subject to the spontaneous (sub) quantum fluctuations. Therefore,

$$\frac{\exists}{\copyright@}\{\mathbf{abcd}\}=\frac{\mathbf{2744}}{3}\cdot10^{88.99999999\ldots}. \tag{26}$$

And it is predictable that

$$\frac{\mathbf{183491}}{\mathbf{2744}}=2\Theta_{STR.}. \tag{27}$$

The Theta-strong angle is most powerful; it is more than just the nuclear strong force parameter. We have here, again, a sample of fundamental bifurcation in the form

$$\cos i \rightleftarrows \cos 2\Theta_{STR.}. \tag{28}$$

This notably conjugates the real and imaginary domains. Accuracy is the politeness of our geometry. Thus,

$$10\cos^2 2\Theta_{STR.}=\cos i\left\{1-\frac{1}{599724.9489}\right\}. \tag{29}$$

And foresee ably

$$\sqrt[\cos 2\Theta_{STR}]{599724.9489}\times\pi\frac{\Phi^3 i_1}{\text{Spin}}=10^{15.9999\ldots}. \tag{30}$$

The previous correction is the rate of symmetry violation on deepest levels of ideal reality.

Therefore, we are prompted to obtain the tri-unity of broking mathematical symmetries in physics, notably,

$$\frac{599724.9489}{\alpha}=\frac{\mathbf{164\,367\,815}}{2}; \tag{31}$$

$$\frac{599724.9489}{a_e}=\frac{\mathbf{1034318739}}{2}; \tag{32}$$

$$\frac{599724.9489}{\alpha a_e}\cdot\frac{\mathbf{12699407}}{9}=10^{17}. \tag{33}$$

In the above we have dealt with the external geometry. The internal geometry of point-singularity begins with the following super operator that smoothly continues the Standard Model outlining all the previous fundamental knowledge of ours:

$$e^{\Phi\pi\cdot\Theta_W}=\frac{10^{65}}{\mathbf{2263595}}. \tag{34}$$

Of course, it is directly connected to the external geometry

$$\frac{\mathbf{44267282}}{\mathbf{2263595}}=\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}. \tag{35}$$

The Theta-strong is always nontrivial and thus

$$\Phi\pi i_1\sqrt{2}\sqrt[\frac{2\Theta_{STR}}{\cos2\Theta_{STR.}}]{e}=\frac{\mathbf{364\,772\,390}}{3}. \tag{36}$$

The harmonious integers often, if not always, are integrated operators of the system. Intuitively, the last integer obtained might be extraordinary. If so, we should see what it can do and does. For such purposes as this, the unified theory offers quite many topological configurations. In general, any concrete number occurring in the natural studies is topological and absolute. It is only this way that Nature is self-consistent.

The topological configuration of inert crystallography is

$$\mathbf{Cr}_+^{\times}=\{\mathbf{2,13,59,68,36,52}\}_+^{\times}\cdot\{\mathbf{230,32,14,6}\}_+^{\times}=$$
$$=7.830223555\times10^{18}; \tag{37}$$

$$\mathbf{Cr}_+^{\times}=\sqrt[\pi]{\mathbf{22727\cdot10^{55}}}; \tag{38}$$

of gene code, or else, animate crystallography:

$$\text{⑥}=\{\mathbf{1,1,5,2,9,2,6,3,\,9,5,9,}$$
$$\mathbf{5,6,5,6,5,4,1,3,20,61,3}\}_+^{\times}=$$
$$=4.434768857\times10^{16}; \tag{39}$$

of human chromosomes:

$$\text{☺}=\{\mathbf{4,7,46,2,3,2,7,3,1,2,2,2,1}\}_+^{\times}=$$
$$=\mathbf{212921856}; \tag{40}$$

of the Solar system of traditional nine planets:

$$\odot_+^{\times}=(\text{Semi-major axes})_+^{\times}\cdot(\text{Orbital periods})_+^{\times}; \tag{41}$$

$$\odot_+^{\times}=\mathbf{52962026,5}\times\mathbf{7,964169827}\times10^{36}. \tag{42}$$

It is a spontaneous natural process in our brain (or mystical experience) to compose such configurations. Since topological numbers involved are true as observational facts known in the sciences, the above configurations are valid, even if they were so far incomplete and imperfect.

In the unified theory it is quite easy to prove that the Solar system and the life existence there do compose one mega scale crystal structure in cosmology. In the given case of **HI 364 772 390** as integrated operator of the universal system we obtain:

$$364\,772\,390 \cdot$$

$$\cdot \left\{\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\}\cdot\odot^\times_+ \cdot \tag{43}$$

$$\cdot\left\{\{\mathbf{Cr}^\times_+ \cdot 22727\}\cdot\{\text{☝☺}\}\right\} = \frac{2123576900}{3}\cdot 10^n.$$

Even to me some HIs resulting from such improbable speculations as above seems to fail to be justified. But absolute geometry's foundation is mathematically and physically

$$X \to \alpha a_e. \tag{44}$$

Therefore, taken into account the ultimate character (43) and believing the absolute theoretical self-consistence of cosmology, we are required to try and find that

$$\frac{2123576900}{\alpha a_e} = \frac{10^{20}}{398497}. \tag{45}$$

Approximate up to the end

$$398497 = {}^{\Phi\pi ei_1}\!\!\sqrt{e}\cdot 10^{98.0000...}. \tag{46}$$

As it is seen in the right above, some exercises in the analysis of only Theta-strong angle suffices to derive the intelligent observers of cosmology who we are.

The total configuration of internal geometry can be written in different but equivalent ways, including

$$\mathbf{InG} = \left\{\frac{\Delta_{Exprm.}\Theta_{W(Electroweak)}\cdot 2\Theta_{Nuclear\ strong\ force}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cdot 2\cos\Theta_{STR.}}\right\}. \tag{47}$$

The external geometry derives its inner geometric structure in the following canonic way such that

$${}^{(3+1)\dim_\Phi \Phi^3 i_1}\!\!\sqrt{\{\mathbf{InG}\}}\,\pi^{\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}} = \frac{2272538600}{3}. \tag{48}$$

Any attentive reader now knows how to justify the new HI above notably that

$$2272538600\cdot e^{5\Phi\pi ei_1\sqrt{2}} = \frac{10^{68.0000000...}}{46578}; \tag{49}$$

$$2272538600\cdot\left\{X\cdot e^{5\Phi\pi ei_1\sqrt{2}}\right\} = \frac{10^{68.999...}}{\cos 2\Theta_{STR.}}. \tag{50}$$

The integrated operator is now HI 2272538600 that effectively conjugates external and inner geometries making use of the two fundamental ultra-operators. Therefore, we are enabled to derive anything, including the topology of regular figures

$$2272538600 = \frac{\exists}{\mathbf{D}\{\mathbf{2}\}^\times_+ \cdot \mathbf{D}\{\mathbf{3}\}^\times_+ \cdot \mathbf{D}\{\mathbf{4}\}^\times_+}. \tag{51}$$

The mirror-E is the magic constant of mathematics, while the Φ is the universally harmonizing factor, the radix of absolute numeric calculus.

According to Goedel's Meta theorem, the unification of physics cannot be just a physical problem. Its solution should pertain to a higher system than physics. The higher system will only be mathematics, but not its applied branch invented long after the Creation Act. The highest possible system is pure mathematics which alone exists a priori. But, first, the meaning of purist mathematics was not understood properly; secondly, the classical pure mathematics remained incomplete till now. The very idea of unification of mathematics and physics needs in some magic operator capable of deriving Something out of Nothing. Therefore, by definition,

$$\exists\cdot\left\{\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\}\cdot$$
$$\cdot\left\{\frac{Ghm_e e^\pm c\cdot\dim(Ghm_e e^\pm c)}{\alpha a_e} = 4263975214\right\} \equiv e^e. \tag{52}$$

What is on the right is nothing. Nothing undergoes multiple bifurcation transmogrification subject to the quantum leap mechanism defined by

$$e^{5\Phi ei_1\sqrt{2}}\cdot\exp\frac{\exists}{©@} = \left\{\frac{65537}{\Phi^9} \Rightarrow \frac{1}{a_e}\right\}\cdot 10^{61.999...}, \tag{53}$$

and by

$$\exp\exp e\cdot\frac{\exists}{©@} = \frac{288\,779\,567}{3}. \tag{54}$$

Here begins the reproductive process that takes place, notably, in the local space-time or even in intimate circumstances. Copulation and conception of the third is founded upon such equations as

$$\left\{\left\{\exp\exp e\cdot\frac{\exists}{©@}\right\}3\right\}\cdot$$
$$\cdot\left\{\{\mathbf{Cr}^\times_+ \cdot 22727\}\cdot\{\text{☝☺}\}\right\} = \frac{\Phi}{i_2}\cdot 10^{56.999...}. \tag{55}$$

The absolute mathematical cosmic time of Newton is necessarily bifurcated into the local relative time. The geometric algorithm of this is subtle, but algebraically

$${}^{\sin\Delta_1}\!\!\sqrt{\sqrt{\textbf{Cosmic mean time}\,(i_1 i_2)^{\Delta_1=360/\Phi^2}}} = \Phi i_2\cdot 10^{21.00000...}. \tag{56}$$

Ignorance of this and many other mathematical facts leads to a row of controversies visible in the modern textbook cosmology which resembles more fiction literature than not. The purpose of cosmology is not hypothetical black holes, but the utmost rational explanation of the existence of intelligent observers who we are. We are interested in knowing our legal status in cosmology and our fate in the nearest and distant future.

The beginning and the end of evolution can be seen in

$$\left\{\exp\exp e\cdot\frac{\exists}{©@}\right\}\cdot\left\{\{\mathbf{Cr}^\times_+ \cdot 22727\}\cdot\{\text{☝☺}\}\right\} = \Phi\cdot 10^{55.999...}. \tag{57}$$

The power **56** is the Stonehenge code of division of the circle space. The megalith codes much more within and beyond a circle. For example,

$$\frac{360}{56} = \frac{e^{\Phi \pi i_1}}{100}\left\{1 - \frac{1}{80306.27668}\right\}. \qquad (58)$$

Is the correction predictive, or else, prophetic? See that

$$80306.27668 \cdot$$

$$\cdot\left\{\left\{\left\{\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\}\cdot \right. \qquad (59)$$

$$\left.\cdot\left\{\frac{\Delta_{Exprm.}\Theta_{W(Electroweak)} \cdot 2\Theta_{Nuclear\ strong\ force}}{\sin \Delta_{Exprm.}\ \sin \Theta_W \cos \Theta_W \cdot 2\cos \Theta_{STR.}}\right\} = 5 \cdot 10^{12.999...}\right.$$

As the reader already knows geometry indicates, again, the finish of its glorious history.

The symmetry of the fifth order is fundamental. The Φ is the bifurcation of 5. The intersection of space and time vectors constructs the spin axis making the whole structure as pentagon. The prominent educator H. Freudenthal once asked: Why knots tied up by a long strip of paper are pentagonal? The double helix of genetic material is the Moebius strip consisting of stereochemistry pentagonal knots of DNA. It can be also modeled by the musical scale configuration said to be equivalent to the world harmony (Pythagoras, Kepler). Therefore, relying upon the symmetry operator 5, we try and get the equation for the double helix of human genetics

$$\frac{5 \cdot \left\{\left\{Cr_+^\times \cdot 22727\right\}\cdot\{♜☺\}\right\}}{\{X_M, Y_F\}_+^\times} = \frac{47170957}{2}. \qquad (60)$$

It follows out of a standard procedure

$$\sqrt[\Phi]{47170957^{\pi e}} \cdot \frac{94765}{3} = 10^{45}. \qquad (61)$$

Ultimately,

$$\frac{\left\{X \cdot e^{5\Phi \pi e i_1 \sqrt{2}}\right\}}{94765} = \frac{10^{50.0000...}}{\alpha a_e}, \qquad (62)$$

making to meet the two ends of cosmology. Thus, the gigantic circle of logic is closed.

I have recently been to the Stonehenge monument first time and saw how I was right urging in my writings Her Majesty's Government to strictly protect this relic from tourists and thieves. Of course, the Queen's Government did not read me, but listened to the cosmic voice and took necessary measures and made proper regulations. The cosmic voice is by no means a myth invented either by the ancients or by me. It was heard during all the ages of history. Stonehenge had been inspired by the cosmic intelligence. Transcosmic communication is a natural phenomenon easily explained now by the unified theory and even confirmed by observations. While the Druids were erecting the Stonehenge megalith, the ancient Mongolian nomads heard Tngri's voice that the number, **1292049**, is the clue to the whole history of the Universe. We, the nomads, hardly can boast with much literacy. But they said to themselves "Eat fat, think math" and liked to solve mathematical problems by memory. The previous mythological number is the solution to a quite tricky algebraic equation of cosmological content. And, it is

really a smart code, for

$$\sqrt[e]{1292049^{2\Phi \pi i_1}} = \left\{\frac{360}{\Phi^2} = \Delta_1\right\}\left\{\frac{65537}{\Phi^9} \Rightarrow \frac{1}{a_e}\right\}\cdot 10^{23.999...}. \qquad (63)$$

The cosmic noise still affects the cosmic voice correcting the equation with

$$1 - \frac{1}{6553.266417}. \qquad (64)$$

Any doubt that the reader will predict that

$$6553.266417 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} = \frac{10040077}{9}. \qquad (65)$$

Intuitively, the last HI may refer to the Solar system of nine planets. Indeed,

$$10040077 \cdot$$

$$\cdot\left\{\left\{\left\{\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\}\odot_+^\times\right\} = a_e \cdot 10^{56.9999...}. \qquad (66)$$

Given the unified theory, there is no reason to wonder that a planetary system approximates the post-Dirac effect in QED which is the rate of global violation of fundamental mathematical symmetries. Thus, we may infer that the Solar system and the organic life form represent quite a special case in cosmological evolution.

The fundamental fact of violation of global symmetries of the absolute system is

$$X \cdot \left\{\alpha = \frac{1}{137.035999}\right\}\{a_e = 0.0011596521\} = 1 + \frac{1}{319.00632275}. \cdot (67)$$

$$319.00632275 \cdot \hat{E}\tilde{E} = \frac{10^{26.99999...}}{\Phi^{10}}. \qquad (68)$$

What we name the energy-entropy configuration would look at as the most suspected result in our studies. Yet, millions of numeric experimentations thousands time yielded the parameters embraced by

$$\hat{E}\tilde{E} = \frac{\exists}{©@}\cdot \pi \cos\frac{180}{\pi}\cdot 10^{\frac{1}{\dim E}}\cdot\left(\frac{\dim E}{2}\right)^{3+1}. \qquad (69)$$

$$\cdot k_{Boltzman}\cdot U_E \cdot E_{Eins.}\cdot \frac{\Delta_{Exprm.}}{a_e}.$$

Given the experimental values of related constants we make use of it equals to

$$\hat{E}\tilde{E} = 2.548685506 \cdot 10^{22}. \qquad (70)$$

Each of parameters has its explanation and justification in absolute geometry. There is hardly any need to repeat my experience of 20 years of manual work. It is better to automatize calculations and see what happens.

Absolute geometry writes its laws in a mnemonically aphoristic style like

$$\Phi^{10} + \Phi^{-10} = \mathbf{123}. \tag{71}$$

Whatsoever, the violation of symmetries of the fundamental theorem of universal mathematical harmony appears to have been compensated by the energy-entropy complex which notably stirs the stagnant waters of the mathematical continuum and, therefore, gives birth to the physical Universe?

To imagine and derive super unified equations is now easier than to search for simple but basic truths. For example,

$$G^{\odot=4.6692468328}_{6.673} = \frac{999.99...}{\pi - 3}. \tag{72}$$

Intuitively, it describes some potentiality. If so,

$$\frac{\hat{E}\bar{E}}{\pi - 3} = \mathbf{180} \cdot 10^{21.00000...}, \tag{73}$$

where we see what kind of potential mechanism lies behind the cosmological scene.

The fivefold symmetry of the micro- and macro world is caused by

$$h^{\oplus=9.11800647040...}_{6.62606876} = \tan\frac{\mathbf{360}}{\mathbf{5}} \cdot 10^{6.99999...}. \tag{74}$$

The key problem is that of the unit mass, so

$$m^{\otimes\oplus}_{e(9.10938188)} = \frac{10^{41.00000...}}{\dim m = \sqrt{2}}. \tag{75}$$

Compute the pure-theoretical electron mass and have

$$\frac{^{Experimental} m_e = 9,10938188}{^{Theoretical} m_e = 9.109377151} = 1 + \frac{1}{1926477.2}. \tag{76}$$

The self-perturbation effect of the system is determined by the same energy-entropy configuration

$$\frac{1926476.853 \cdot \hat{E}\bar{E}}{3} = \frac{10^{31}}{\mathbf{611}}. \tag{77}$$

The number 9.10938188 I picked up in 2000. Now the **CODATA Recommended Values of the Physical Constants** of 2014 gives 9.10938356(11). In general, it is noticeable that the CODATA values not always become better. Now the value 9.10938188 looks theoretical provided only that the HI 611 is justifiable. Indeed,

$$\frac{e^{5\Phi\pi ei_1\sqrt{2}}}{\mathbf{611}} = \frac{\Phi\pi i_1}{10^{51.999...}}. \tag{78}$$

But, it looks rather wishful thinking. The last word always belongs to the Theta-strong, so

$$^{\cos 2\Theta_{STR}}\sqrt{\frac{\mathbf{610.9999...}}{\cos 2\Theta_{STR.}}} = \mathbf{133\,494\,570}; \tag{79, 80}$$

$$\mathbf{133\,494\,570}\left\{X \cdot e^{5\Phi\pi ei_1\sqrt{2}}\right\} = \frac{10^{69.999...}}{2\Theta_{STR.}}.$$

Despite all this the CODATA recommended value of the electron mass quoted as above cannot be faked; it is any doubt resulted from some precision experiments. But, as it can be inferred from the logic of the system under consideration, the results of precision measurements will be very sensible to the given experimental conditions defined by the spontaneity of processes inside the system.

In short, global conditions for precision experiments are never the same. Therefore, the CODATA value can and must be justified, too,

$$\frac{^{CODATA}9.10938356}{^{Absolute\ geometric}9.109377151} = 1 + \frac{1}{1421448,368}; \tag{81}$$

$$1421448,368 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} = \mathbf{241\,973\,496}. \tag{82}$$

It is, of course, a heavy risk to justify both the two different experimental results and pretend to look a decent researcher. But what causes the difference of results of measurements conducted by the decent scientists? Given that

$$\frac{^{CODATA_a}9.10938356}{^{CODATA_b}9.10938188} = 1 + \frac{1}{z = 5422251.314}, \tag{83}$$

we find a surprisingly exact reference to the energy-entropy configuration

$$5422251.314 \cdot \hat{E}\bar{E} = \frac{\mathbf{4145884}}{3} \cdot 10^{23}. \tag{84}$$

At the same time,

$$z = \frac{(\copyright@)^2 \cdot 10^{62..000...}}{e^{5\Phi\pi ei_1\sqrt{2}}}. \tag{85}$$

Whatever the case, results of different precision experiments can slightly vary leaving the explanation of differences to the unified-theoretical analysis.

It will be better if an experimenter computes first pure theoretical values of fundamental physical constants or any other parameters and then analyses any possible self-perturbation effects of absolute geometry.

The bare numeric gravitational constant does infinitely tend to the finite fraction, 6.673. It owes to

$$\mathbf{65537}^{G=6.673 \times 1/1868906.52359...} = \Phi\pi e \cdot 10^{31}; \tag{86}$$

$$1868906.52359... \cdot$$
$$\cdot\left\{\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}} \cdot \pi\frac{\Phi^3 i_1}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\} = 10^{10.0000...}. \tag{87}$$

$$\mathbf{65537}^{G=6.673+1/280069.9121225445250251523392205...} = \Phi\pi e \cdot 10^{31}; \tag{88}$$
$$280069.9135520... \cdot$$
$$\left\{\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\right\}(3+1)\dim_\Phi \Phi^3 i_1\right\} = \frac{\mathbf{690114470}}{9}; \tag{89}$$

$$\mathbf{690\,114\,470} = \frac{\pi\dfrac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}}{\mathbf{D\{4\}^\times_\pm}} \cdot 10^{53.0000...}. \tag{90}$$

In addition, it is simply that

$$65537 \cdot G = \sqrt[7]{5261626 \cdot 10^{11}} \qquad (91)$$

$$65537^{\pi} = \frac{10^{16.0000...}}{e^2}, \qquad (92)$$

et cetera.

There are many things in the modern physics to be explained and rethought by the unified theory. The latest discovery in experimental physics is the quantum Hall effect. The corresponding von Klitzing constant is said to be as "exceedingly exact" as

$$R_K = 25\,812.807\,45...\,\Omega . \qquad (93)$$

The reason for its precision and imprecision is theoretically explained among many others by

$$\{R_K = 25\,812.807\,57574128108230...\} \cdot \Phi = 41766; \qquad (94)$$

$$\{R_K = 25\,812.807\,46...\} \cdot X = \frac{91795780000}{3}. \qquad (95)$$

Any given natural phenomenon should satisfy all possible requirements of the universal system of harmony. Thus, the von Klitzing constant lies at the cross section point of all possible overlapping reasons determined by the absolute calculus, e.g.,

$$\{R_K = 25\,812.807\,57\}^2 = \frac{1332602057}{2}; \qquad (96)$$

$$^{\cos 2\Theta_{STR}}\sqrt{\{(25812.8074663919...)^2 \cdot 2\} \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}}} = 80951 \cdot 10^{24}. \qquad (97)$$

Because of the correlation of measurement units any given fundamental constant can and must be considered as a mere number. However, this topic has never been considered in physics or even in philosophy.

The so called Planck units always seemed promising, but never justified expectations in physics. Why so? Let us analyze as sample case the Planck unit of energy which we rewrite in terms of absolute geometry

$$\left\{ E_P = \sqrt{\frac{\hbar c^5}{G}} \right\} \Rightarrow \sqrt{\frac{h_{6.62606876}\dim h_{\Phi i_1 \sqrt{2}} \cdot (c_{2.99792458}i_1)^5}{6.673 \dim G_{\Phi^2/\sqrt{2}}}}. \qquad (98)$$

We arrive at, of course, a senseless looking fraction

$$E_P = 35.48312018... \qquad (99)$$

But this unit should, by idea, once make certain sense. After all, Planck units are logically inevitable. Yet, absolute geometry is not that science we knew before. It is the science of nontrivial turns. Indeed, we derive

$$\frac{E_P = 35.48312018...}{2\pi} \cdot 10^{22.0000...} = \frac{X \cdot e^{5\Phi\pi ei_1\sqrt{2}}}{\{\hat{E}\tilde{E}\cdot \mathbf{U_E} \cdot E_{Eins}\}}; \qquad (100)$$

$$\sqrt{E_P = 35.48312018...} \cdot \{\hat{E}\tilde{E}\cdot \mathbf{U_E} \cdot E_{Eins}\} = \frac{10^{32,9999...}}{\alpha a_e}. \qquad (101)$$

Consequently, the Planck energy unit written in terms of Einstein's energy and, accordingly, Einstein's energy (in ancient philosophy, crude or raw energy) itself is merely a derivative of the energy-entropy tri-unity of absolute geometry.

All this is validated by geometry itself as follows below:

$$\sqrt{E_P = 35.48312018...} \cdot$$
$$\cdot \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1)\dim_{\Phi}, \Phi^3 \sqrt{i_1 i_2} \right\} \cdot \qquad (102)$$

$$\cdot \left\{ \mathbf{D\{4\}}_+^{\times} = \begin{array}{|c|c|c|c|}
\hline
5 & 10 & 10 & 5 \\
\hline
8 & 24 & 32 & 16 \\
\hline
16 & 32 & 24 & 8 \\
\hline
24 & 96 & 96 & 24 \\
\hline
120 & 720 & 1200 & 600 \\
\hline
600 & 1200 & 720 & 120 \\
\hline
\end{array} \right\} = \frac{825907}{3} \cdot 10^{44}.$$

In this geometry all roads that lead to Rome lie along the Rubicon River of the nuclear Theta-strong parameter

$$825907 \cdot 2\Theta_{STR.} = \frac{497\,054\,849}{9}. \qquad (103)$$

In general, we have crossed over the Rubicon river in the cosmological territory of sciences and on that shore we will be engaged in the final battle for the survival of human civilization.

By now elementary particle physics has been topped by the top quark and by the Higgs boson. The former has to have a mass defined by

$$\frac{^{Top}M_Q = 173096.0389\ MeV}{m_e = 0.511\ MeV} = \cos 2\Theta_{STR.} \cdot \frac{10^3}{a_e}. \qquad (104)$$

In case of the Latter the LHC of CERN applied in fact the following mechanism and got what it got:

$$^{\cos 2\Theta_{STR}}\sqrt{\frac{M_{Higgs} = 126002.5087\ MeV}{m_e = 0.511\ MeV} \cdot \frac{\Theta_{STR.}}{\cos 2\Theta_{STR.}}} = \frac{10^{19}}{\cos 2\Theta_{STR.}}. \qquad (105)$$
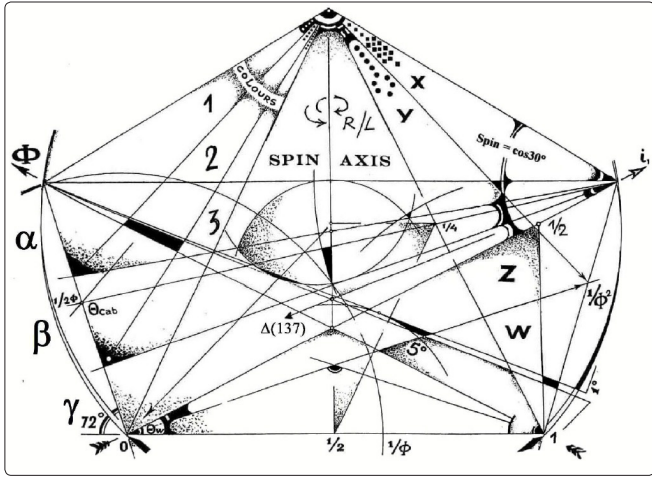
It should be pointed out that the Standard Model as a compendium of mainly experimental physics is right on its own with or without the Higgs. This boson has nothing to do with the problem of mass and mass spectrum. It is rather an artificial particle forced to existence by the high energy experiment.

The fundamental mass ratio owes to

$$\frac{^{\cos 2\Theta_{STR}}\sqrt{\left\{ \frac{N_{1837.41}}{m_e} \right\} \frac{\Theta_{STR.}}{\cos 2\Theta_{STR.}}}}{1 + \dfrac{1}{27122.18068}} = \Phi^3 i_1 \cdot 10^{14}; \qquad (106)$$

$$27122.18068^{\Phi\pi ei_1} = \frac{25019}{3}\cdot 10^{74} \qquad (107)$$

So, it is time now to turn to particle physics proper. The rule of reasoning in the absolute system is only one: Keep in mind the minimax principle of logic. The real geometry of space-time is not school exercises in drawing whatever figures and computing within them. Absolute geometry has only and only figured which we will call the superstructure (SS) of space, time and matter (Figure 1):

The figure was drawn 20 years ago and no hope that it is perfect. Nevertheless, it is not false in principle and could be perfected. It is the end result of sequential bifurcations of mathematical point. Bifurcation is a nonlinear process. The key point is nonlinearity. Space bifurcates into time; space-time bifurcates into whatever possible parameters of geometry in sequence, including characteristics of quarks.

Therefore, the index entourage of superstructure will look as impressive as (108)

$$^{\Phi i_1}_{(i_1\Phi} SS^{1,2,3\ \uparrow\downarrow\ X,Y}_{\pm\alpha,\beta,\gamma\ \rightleftarrows\ Z,W}$$

Assuming that nonlinear bifurcation transformations end on this, we may tentatively pick up indexes to form fundamental leptons and fermions (109)

v_e^X	v_μ^Y	v_τ^Z
$e_{\alpha\beta\gamma}^{XZ}$	$\mu_{\alpha\beta\gamma}^{YW}$	$\tau_{\alpha\beta\gamma}^{XYZW}$
$u_{\beta\gamma}^1$	$c_{\alpha\gamma}^2$	$t_{\alpha\beta}^3$
$d_\alpha^{2,3}$	$s_\beta^{1,3}$	$b_\gamma^{1,2}$

So, the problem we face is that of effective combinatorics in the inner geometry of the superstructure which does, in principle, exist, though not exactly in the form we have drawn above. We are saying only that the problem of fundamental fermions in absolute geometry would look something like this. By all evidences, manual works in fundamental theories have finished. Therefore, the only

remaining question is: Whether computer simulations of the nonlinear bifurcation transformations of the mathematical point will be possible? On the other hand, is there much reason to try to clarify all inside the superstructure? We know that the inner geometry reduces to

$$\left\{\Delta_{Exprm.}\Theta_W\Theta_{STR.}\right\}, \qquad (111)$$

which is already sufficient to derive the gene code as next and thus finish cosmological evolution at least in the Milky Way galaxy:

$$\left\{\text{✿}\cdot Cr_+^\times\right\} = \frac{42266\cdot 10^{36}}{\left\{\Delta_{Exprm.}\Theta_W\Theta_{STR.}\right\}}. \qquad (110)$$

The HI 42266 is the new integrating operator promising to be most powerful because of its divine trinity nature

$$42266 \equiv \left\{\Delta_{Exprm.}\Theta_W\Theta_{STR.}\right\}\cdot\left\{\text{✿}\cdot Cr_+^\times\right\}. \qquad (111)$$

What will do the inner geometry coupled with the animate and inert wings of crystallography? Of course, the configuration of human chromosomes

$$42266\cdot\text{☺} = 9\cdot 10^{11.9999\ldots}. \qquad (112)$$

But, the last word belongs to the constructive algorithmic origins of geometry

$$42266\cdot 2\Theta_{STR.} = \frac{\{3,5,17,257,65537\}_+^\times}{10^{8.0000\ldots}}. \qquad (113)$$

Although the theory of the universal system is an item for wholesale trading, we have in this short article attempted to provide a broader view of what is the real geometry followed by the axiomatics of cosmology. As the Earl Russell told, axiomatics is like horse stealing: Either you succeed eventually and get away with no harm or you will be caught up on your false step with severe consequences.

The human beings are the crown product of evolution of matter. The human chromosomes are X-shaped structure modeled by the intercrossed space and time vectors. Therefore, it is foreseeable that

$$\Phi\frac{\Delta_{Exprm.}}{\sin\Delta_{Exprm.}}i_1 = \frac{27673}{2\Theta_{STR.}}. \qquad (114)$$

If in complete, this is a deformed pentagon made with the spin axis, thus,

$$\frac{\Phi i_1}{Spin}\cdot\frac{\Delta_{Exprm.}}{\sin\Delta_{Exprm.}} = {}^{\Phi\pi ei_1}\sqrt{\frac{2}{\Phi}}\cdot 10^{46.999\ldots} \qquad (115)$$

So, now we go vabanque and derive the human chromosome equation

$$\left\{\left\{\left\{\frac{\Phi i_1}{Spin}\cdot\frac{\Delta_{Exprm.}}{\sin\Delta_{Exprm.}}\right\}\cdot\text{☺}\right\}\cdot 46\right\} = {}^{\Phi\pi}\sqrt{\frac{10^{63.999\ldots}}{\cos 2\Theta_{STR.}}}. \qquad (116)$$

We should necessarily think that the cosmological evolution rounds up not with the human brain which is the hard ware self-model of the Universe. Evolution's ultimate goal is achieved if the human brain's software potential proves sufficient to derive once the knowledge of the universal mathematical system behind the physical world. Science is as if the inversed evolution back to the beginning. What it would mean for the fate of our civilization? At the current moment we face dualism of the ideal universal mathematical machine (UMM) to be further studied Vs the extreme high energy hardware monster CERN LHC whose power can be grown even further. What will be our choice? The way the UMM suggests is obviously harmless. Whilst, the LHC risks getting once a particle close to the superstructure with the result that the Solar system will be blown up into the Supernovae. The inverse evolution means that we approach the problem of the beginning of cosmology either studying what is mathematical point by the computer simulations or creating experimentally the superstructure point-singularity which case will generate a cosmic scale big bang event observable to more reasonable civilizations in the Universe.

According to the minimax principle of logic, the Superstructure has to have a minimal description in geometry, notably,

$$\frac{\cos i}{\cos 2\Theta_{STR.}}. \tag{117}$$

This develops into the exponential super operator such that

$$\frac{Exp\left\{\frac{\cos i}{\cos 2\Theta_{STR.}}\Phi\pi ei_1\sqrt{2}\right\}}{1-\frac{1}{805.3856607}} = \frac{10^{42}}{\cos 2\Theta_{STR.}}; \tag{118a}$$

$$805.3856611 = \sqrt[e]{\mathbf{79311758}}. \tag{118b}$$

That's why the Theta-strong is so omnipresent and omnipotent.

The conjugation of the superstructure being the minimax expression of inner geometry and the external geometry will cause titanic energy-entropy turbulence in the self-excited continuum. Yet, the process is describable in minimax way such that

$$\left\{\begin{array}{l}\text{Super Structure}\left\{\frac{\cos i}{\cos 2\Theta_{STR.}}\right\}.\\[6pt]\text{External geometry}\\\left\{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi \Phi^3\sqrt{i_1 i_2}\right\}\cdot\right.\\\left.\left\langle \mathbf{D\{2\}^\times_+ \cdot D\{3\}^\times_+ \cdot D\{4\}^\times_+}\right\rangle\right]\\[6pt]\cdot \hat{E}\tilde{E}\end{array}\right\}\cdot 9 = \frac{10^{105.99999\ldots}}{e^{\Phi\pi}}. \tag{119}$$

Logic is one for all possible universes, and it is minimax strategy. In classical literature it is called Wisdom of God. When resources of pure mathematics are applied, it is Wit of God. Consequently, the super unified derivation of the modern physics out of nothing is as minimax as

$$\frac{Ghm_e e^\pm c \cdot \dim(Ghm_e e^\pm c)}{\alpha a_e} = \sqrt[\Phi]{\exp\exp e \cdot 10^9 \left\{1-\mathbf{9646.103325}^{-1}\right\}}. \tag{120}$$

The theoretical fluctuation here is determined by

$$\sqrt[\cos 2\Theta_{STR}]{\mathbf{9646.103327}} = \mathbf{13897520000} \tag{121}$$

In the bottom depth of the ideal reality lies a topological knot such that

$$Exp\left\{\frac{1}{10}\lg\left\{\frac{\mathbf{1389752}\cdot e^{\Phi\pi ei_1\sqrt{2}}}{10^{58}}\right\}\right\} = \frac{2}{\Phi}\left\{1-\frac{1}{9022.954804}\right\}. \tag{122}$$

It is because of global space-time perturbations

$$\frac{\mathbf{2470364}}{\pi\dfrac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi \Phi^3\sqrt{i_1 i_2}\right\}} = 9022.954826. \tag{123}$$

No single formula and equation can be formally exact. Otherwise, the UMM stops because of no more need in approximations. As a result, the Universe instantaneously collapses. Consequently, the Universe is eternal due to the rule of asymptotical approximations. Secondly, it is solely the method of harmonious integers that makes the physical world self-consistent and, therefore, provable and computable by the observers, if any of them came to existence during the cosmological evolution.

About 15 years ago three Mongolian physicists wanted to listen to me. I showed to them two-three samples of geometry. One of guys asked: All this is prearranged? I was happy to cry: Of course, all this is prearranged! Within a second they left the auditorium. The guys thought that all this is prearranged by me. 20 years ago I showed to a guy at the Imperial College. London, how it is that the light speed is a theoretical number. The guy, probably, working over his doctoral dissertation simply said to me: You know, in physics there is something called dimension. I left the auditorium within a second.

The super unified theory signifies merely that we have at long last crossed over the Pons Asinorum in geometry. On the other hand, the problem of unification is the ultimate cosmological test for intelligence which we have successfully past. So, we have a moral right to congratulate each other [1-4].

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