



Review Article

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An Introduction to the Superunified Field Theory

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Abstract

This is intended to describe the physical Universe as selfexited and self-organized mathematical continuum. There does exist the universal pure (not applied) mathematical machine perceived by the intelligent observers in a capacity of certain material world. In this sort article we are able to indicate only some key points of the theory which suggests practically infinite amount of combinatorics.

What is Logic? Let us reformulate Newton's First Rule ofReasoning in an extreme miminax form as follows: Logic is what gets the greatest possible the least possible.

Then, the least is the mathematical point, that is, Nothing, while the greatest is the Universe which is Something. Consequently, a single point has to be both nesessary and sufficient to reconstruct the Cosmos on paper.

Remind that, as Paul Dirac pointed out, the modern physicsstill remains hopelessly illogical. This is because of the lack ofrigourous foundations for both quantum mechanics and generalrelativity. To correct this situation, we follow Newton's tradition tospeculate a theory beginning with any strictest possible definition of what is logic in Nature. In Nature rules the least action principledemanding that, for example, a single postulate should suffice toconstruct the superunified scheme, if any at all. In addition, theuniverse must have been evolved instantaneously within the zerotime duration. The above minimax principle of logic should actabsolutely.

There is Something we call the physical Universe. Iflogically, at first was Nothing, that is, mathematical point definedby the Euclidean geometry first and later by the Cantor's set theory.

As shown by the entire scientific practice of the 20thcentury, the existing methods appeared to be either insufficient, oressentially wrong to effectively approach the unification problem. Therefore, "Some fundamentally new insights are certainly needed." (Roger Penrose).

Yet, the problem is not so hard for solution as it seems tobe. Mathematics has a brilliant new resource. There does exist the fundamental Theorem of the Universal System of Mathematical Harmony which reads

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

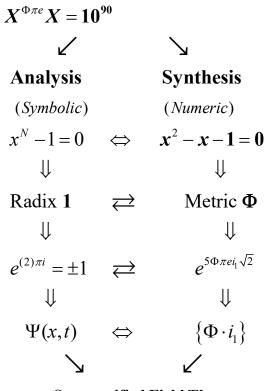
$$\Phi = \frac{\sqrt{2} + 1}{2} = 1.618033988749...$$

$$\pi = 3.141592653589...;$$
(2)

we derive a new fundamental mathematical constant such that

$$X = \sqrt[\Phi \pi e + 1]{10^{90}} = 1185403.539676801...$$
 (3)

We have revealed the bifurcation of MathematicalDescription. The reader is required to descern the meaning of thefollowing scheme (Scheme 1):



- Superunified Field Theory -



Fundamental theorem of pure mathematics

Funadamental theorem of absolute geometry

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

The final theory, if any, should necessarily be a synthesis of all the previous knowledge. In this respect it is a most favourable fact that the method of mathematical description of reality provesto be intrinsically bifurcated into the two ways being analysis and synthesis. Analytics did what it could in principle and thus prepared all what would synthesis need for.

Under the notion of synthesis is meant the final unification of theoretical physics and pure mathematics. This adventure becomes feasible due to the essential completion of Gausian puremathematics with new discoveries.

We need to point out certain **consequences of Goedel's Theo-rem.** What is expected to be the final theory of physics, ifany, will necessarily be the new and ultimate general theory forphysics. But, according to Kurt Goedel's metamathematical theoremon incompleteness of formal systems, the generel theory of physicscannot belong to physics itself. It should belong to a higher systemthat can be pure mathematics of classical type.

The matter is that Newton-Leibniz applied mathematics isstill a human invention, while Gaussian pure mathematics unifiedby the Euclidean system is a natural phenomenon existing a priori. Therefore, there will be no wonder if the physical Universeis described by a numeric theory where everything becomescalcu-

lable by elementary algebraic methods.

It is crucial to understand **the Logic of Spontaneity and Bifurcation** in Nature as being a pure-mathematical phenomenon. The natural logic is spontaneity. Cosmological evolution consists of phase transitions of the initial condition given for cosmogony. The unique way of spontaneous phase transformations is sequencial bifurcations, that is, multifurcation of the initial mathematical point.

The initial condition in fundamental theories cannot butbe the mathematical point with the imperative consequence thatwe have to study spontaneous bifurcations of that point and in casewe succeed to do this job cosmogony and cosmology will have their rigourous mathematical foundations, not antique mythologycoupled with Bible's interpretation.

We now approach the problem of the **construction of Absolute** Geometry of space-time and matter. For this purpose it will suffice to consister the way of how the Euclideangeometry bifurcates (Figure 1):

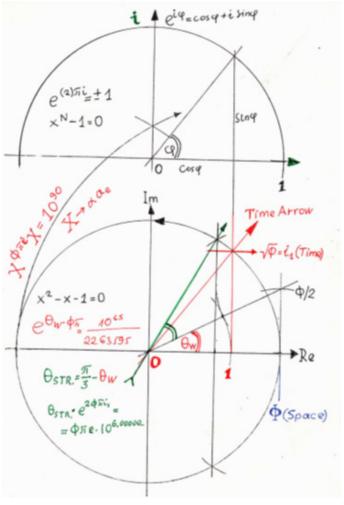


Figure 1

What makes difference is how to denote the radius of the circle: Either by the unity 1, or by the golden section constant Φ keepingin mind the abovegiven fundamental theorem of harmony.

In the lower half of the picture we perform an algorithm. The initial condition is a point. It translates and draws a line segment-which we denote as Φ , the only nontrivial number which serves aharmonizing factor in the above fundamental theorem. So, the firstbifurcation of the given point is complete. The second bifurcationwill be rotation of the line segment Φ with all the results seen onthe previous picture.

Now that we are prompted to come up with certainpostulates, including the following two most fundamental

α. $\Phi \equiv$ Newton's absolute mathematical space; β. $\{\sqrt{\Phi} = i_1\} \equiv$ Newton's absolute, true mathematical time.

Time is bifurcation of space. But this leads to really a crazystatment that the 4-dim space-time shall simply be

$$\Phi^3 i_1 = 5.3883617040570... \tag{4}$$

But, as we have seen before, the mathematical method ofdescription of reality is bifurcated, therefore, validating both theanalytical and numerical representations of space-time

$$(x, y, z, t) \Leftrightarrow \Phi^3 i_1$$
 (5)

From the philosophical point of view it is a joke that beforethe Creation act there were neither Greek, nor Latin alphabits. Atfirst were numbers alone.

We sould add up yet another two postulates to continuethe Standard model as smoothly as possible

$$δ$$
. $Θ$ _{Weinberg (electroweak force)} = arctan 1 / 2; (6)

$$\varepsilon. \Theta_{Nuclear strong force} = \frac{\pi}{3} - \Theta_{W}. \tag{7}$$

Now we have to try to prove the **validity of the** $\alpha\beta\gamma\delta\epsilon$ -**Postulates.** In any event these postulates are not imagined, but given by compass-and-straightedge algorithm.

Die ganzen zahlen hat der liebe Gott alles andere est Menschenwerk.

The existing quantum-relativistic theories a little bitimprecise compared with the experimental data. This situation reveals itself in the anomaly of the electron magnetic moment which-does notably define what we know in physics and what do not knowyet. Reference sources provide the experimental value of themagnetic moment anomaly as being close to

$$a_{Flectron} = 0.001159 6521$$
 (8)

Right at the moment we have learned what is exactly spacetimein Newton's or any other terms. Therefore, immediately,

$$\frac{1}{a_{Electron}} = \sqrt[6]{658361 \cdot 10^{10}} \tag{9}$$

Whence pure-theoretically (10)

$$a_e = 0.0011596520997696346686715329576713$$
 (10)

The post-Dirac effect can and must be treated in manyother ways available in absolute geometry, for example, (11-13)

$$\sqrt[\sin \Theta_w]{\frac{1}{a_a = 0.001159652099...}} = 3667438 \tag{11}$$

$$\sin_{\theta_{W}}\cos_{\theta_{W}}\sqrt{\frac{1}{a_{e} = 0.0011596521000...}} = 21836383,$$
(12)

$$\sqrt[\cos 2\Theta_{STR}]{\frac{1}{a_e = 0.0011596521000...} \cdot \frac{1}{\cos 2\Theta_{STR}}} = 320\,906\,457 \quad (13)$$

All this is going to be true if only the bold integers occurringin the above are not by a blind chance. The integer 658361 thatdefines the subtle effect, ae, is any doubt fundamental. Consequently, we have to search for some more fundamental reasons of the absolutesystem of mathematical harmony behind it. Indeed,

$$658361 \cdot e^{5\Phi\pi e i_1 \sqrt{2}} = \frac{1865921}{3} \cdot 10^{54} \,. \tag{14}$$

The character of the system can be seen in

$$2\sin\lg\left\{658361 \cdot e^{5\Phi\pi e i_1\sqrt{2}} \cdot \frac{3}{1865921}\right\} = \Phi, \qquad (15)$$

where true decimal digits are

$$\Phi = 1.618\ 033\ 988\ 74... \tag{16}$$

Does all this mean that Leopold Kronecker is going to be truewith his mythological sentence: "Die ganzen zahlen hat der liebe Gottgemacht, alles andere est Menschenwerk."?

The generel problem in physics is now how to continue the-Standard Model toward superunified field theories. For this purposethe following operator immediately avails itself:

$$e^{\Phi\pi\cdot\Theta_W} = \frac{10^{65}}{2263595}. (17)$$

The electroweak Theta has whatever possible connections to the Strong force Theta, including

2263595.
$$2\Theta_{\text{STD}}$$
. = 151 366 366 (18)

The integer on the right side is not accidental, but owes to

$$151366366 \cdot e^{5\Phi\pi e i_1 \sqrt{2}} = \frac{12870037}{9} \cdot 10^{56} \tag{19}$$

where true decimal places are

 $\pi = 3.141 592 653 5...$

Apply to the fundamental theorem and compute

$$12870037 \cdot \Phi \pi e = \frac{1600494919}{9} \,. \tag{20}$$

The whole numbers we encounter we name HarmoniousIntegers (HI). HIs do notably serve the main tool of self-consistenceand provability of the entire system of universal mathematicalharmony. Without them we were unable to compute the anomaly ofelectron magnetic moment. So long as eliminating the post-Diracparadox, we validate the unified field theory and we may stop onthis with quiet conscience. Yet, the superunification theory suggests practically infinite amount of combinatorics simply by the reasonthat it should be theory of everything, including, say, the velocity of light.

It is a bit early to abolish Newton's absolutism in physics. Special relativity theorists could not imagine to write an abvious

Absolut space / Absolute time = absolute velocity. (21)

In terms of absolute geometry

$$\frac{\Phi}{i_1} = i_1; \tag{22}$$

$$\dim_{\Phi} c = i_1. \tag{23}$$

Measurement units in physics are intercorrelated. So,imagine that true experimental numbers like 299792458 should indepth be theoretical numbers in a way or other. Indeed, for example,

$$299792458\pi = 427285.10^{20.9999999910...}$$
 (24)

If accurately,

$$\pi\sqrt{427\ 285.10^{21}} = 299792458.197331026120...$$
 (25)

Violation of mathematical symmetries here and elsewhereowe to the spontaneous self-perturbation effects of theentire system. Thus, higher order approximations are always possible andelementary within the system.

In the dimensional case

$$ci_1 = 100 \exp \exp e \left\{ 1 - \frac{1}{4434.531539} \right\}$$
 (26)

The formula is corrected among others because of

$$\left\{ \frac{5256709385}{4434.531541} \right\}^{\Phi\pi e+1} = 10^{90}$$
(27)

Return back to the new mathematical constant being thekey code of the system of universal harmony

Meanwhile, in fact there are two anomalies in physics:

$$\alpha_{\text{sommerfel}} = 137.035999;$$
 $\alpha_{\text{Electron}} = 0.0011596521.$

and we postulate that the space and time vectors are disarrayed bythe angle inverse to the fine structure constant

$$\Delta_{Exprm.} = \frac{1}{\alpha_{Sommerfeld}} = 137.035999, \tag{29}$$

At first it was

$$\frac{360}{\Phi^2} = \Delta_1 \,. \tag{30}$$

before it undergoes perturbative transformations like

$$\sqrt{\frac{\left\{\frac{\Delta_{1}}{\Delta_{Exprm.}} = 137.036000...} - 1\right\}^{-1}}{\cos 2\Theta_{STR}}} = \frac{40216959}{2}$$
 (31)

What overrides is the general theorem of the universal system of mathematical harmony

$$X = {}^{\Phi\pi e + 1}\sqrt{10^{90}} = 1185403.539676801580...$$
 (32)

It should be pointed out that infinite fractions like X have no meaningexempt formal exactitude. By this reason the universal mathematicalmachinery works as simply as any 10-digit electronic calculator in terms of the first order approximations. So, we will shorten the X as

$$X=1185403.54$$
 (33)

What is crucial to be descerned, the mathematical symmetries defined by this new constant are broken in the physicalworld which case is manifested by the existance of the two anomaliesin the form of the Sommerfeld and Dirac constants. Therefore, weare asked to write and an evident

$$\frac{X_{1185403.54} \cdot \alpha_{1/137.035999} a_{e(0.0011596521)}}{\mathbf{10}} =$$

$$= 1 + \frac{1}{319.0063275}.$$
(34)

and compute the self-perturbation effect of the entire system as

$$\frac{378151230}{X = 1185403.54} = 319.0063277\tag{35}$$

Since the quantum-relativistic theores of physics are trueon their own, both these anomalies look rather a problem ofmathematics than physical. If so, anomalies may come from theincompleteness of the existing mathematics. We have completedpure maths at least by the constant, X. As a result, we enter the newvirgin land of the universal system of harmony. Now we are enabledto guess that the anomalies in physics under discussion arise because of some harmonious reasons. They are like lubrication substancesin the mechanism of the universal machinery.

Therefore, the problem can be clarified as above and elsewhere. The X-engine of the universal system cannot but be selfexitedand thus bifurcated into some phenomena like the twoanomalies that make physicists' life so miserable. Experimenting with the system, one will reveal how manyequations end up with the following result:

$$\frac{1}{10} \ln \lg \left\{ \left\{ \exp \frac{1}{\left\{ \Delta_{Exprm.} - 137 \right\}} \right\} \cdot \frac{1}{a_{Electron}} \right\} + 1 = \frac{\Phi \pi}{4}$$
 (36)

It describes the fermion-boson process in general using notations

$$Fermion = \frac{\Phi \pi}{4}; \tag{37}$$

$$Boson = 10 \left\{ \frac{\Phi \pi}{4} - 1 \right\}. \tag{38}$$

It is derivable as consistently as

$$FB = \ln \lg \left\{ \pi \Phi^3 \sqrt{i_1 i_2} \cdot 10^{29.9999...} \right\}$$
 (39)

One of pecularities of geometry is that Newton's mathematicaltime is bifurcated, too, giving the global cosmological absolute time

$$\sqrt{\Phi = i_1}$$
 (40)

and local relative time

$$i_2 = 4/\pi. \tag{41}$$

Consequently, the mean cosmlogical time shall certainly be

$$\sqrt{(i_1 i_2)}. \tag{42}$$

Therefore, we are required to write the four-dimensional curvedand torsional absolute/relative Newton/Einstein space-time of absolutegeometry in the form

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}_{\text{cos 30}}} \tag{43}$$

It should be reminded that in classical quantum mechanics

$$Spin = cos 30^{\circ}. \tag{44}$$

As for the dimensionality problem, we will obviously have

$$\dim_{\Phi} \Phi^{3} i_{1} = 3\frac{1}{2}; \tag{45}$$

$$Cartesian = (3+1). (46)$$

So, an essentially complete representation of the cosmic spacetime has to be written as

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}_{\cos 30}} \left\{ (3+1) \dim_{\Phi} \Phi^3 i_1 \right\} = 273.7865863 \tag{47}$$

It asks to be enhanced to whatever extent, including

$$\left\{ \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\operatorname{Spin}_{\cos 30}} \left\{ (3+1) \dim_{\Phi} \Phi^3 i_1 \right\} \frac{\Delta_{Exprm.}}{\sin \Delta_{Exprm.}} \right\}. \tag{48}$$

The existing pure mathematics ends up with the Eulerean rotationopertor which bifurcates into whatever super and ultra operators of absolutegeometry

$$\left\{e^{(2)\pi i} = \pm 1\right\} \Rightarrow e^{\Phi\pi i_1} \rightarrow e^{2\Phi\pi i_1} \rightarrow \dots \rightarrow e^{5\Phi\pi e i_1\sqrt{2}} \rightarrow \dots$$
 (49)

Therefore, one of standard ways of derivation of things is

$$\left\{ \pi \frac{\Phi^{3} \sqrt{i_{1} i_{2}}}{\operatorname{Spin}_{\cos 30}} \left\{ (3+1) \operatorname{dim}_{\Phi} \Phi^{3} i_{1} \right\} \frac{\Delta_{Exprm.}}{\sin \Delta_{Exprm.}} \right\} \cdot \left\{ X \cdot e^{5\Phi \pi e i_{1} \sqrt{2}} \cdot \frac{\exists}{@ @} \right\} = \frac{10^{69.0000...}}{e^{\Phi \pi i_{1}}}.$$
(50)

(The third component in the second brackets will be explained later.)

Previously we have demonstrated the workability and efficiency of the formal system of absolute geometry discovered, however, too long after Euclid and Gauss.

It is time to formulate the general rule of absolute geometry. Any true formulae and equations written on the left side of the equality sign will give whole numbers or fundametal parameters on the right. Those whole nimbers in turn have to be justified as notaccidental by means of the absolute numeric calculus, being the system of universal mathematical harmony. For example,

$$\cos\Theta_{W}\sqrt{299792458i_{1}} = \cos 2\Theta_{STR} \cdot 10^{10.00000...};$$
 (51)

$$\cos^{2\Theta_{STR}} \sqrt{299792458} i_1 = \frac{10^{26.0000000...}}{14276} .$$
(52)

It is also foreseeable that

$$\otimes^2 \Delta_1 \equiv c . (53)$$

It is because of the existence of a logarithmic operator such that

$$10^{\otimes} = 10000 \otimes \cdot \tag{54}$$

By analogy

$$e^{\oplus} = 1000 \oplus. \tag{55}$$

Interested students are required to calculate the values of the twooperators by iteration and approximate

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \equiv \sqrt[89]{10} e^{5\Phi \pi e i_1 \sqrt{2}}$$
 (56)

The meaning of the previous equation is that it derives thefour-dimensional space-time from the ultra-operator of the majormathematical symmetics given by

$$e^{5\Phi\pi e i_1\sqrt{2}} (57)$$

What acts is logarithmic operators

$$\otimes$$
=4.66924683287774767030699969...; (58)

$$\oplus = 9.118006470402740121258337182... \tag{59}$$

The system we consider is universal. Dictionary definition of universality reads: Universality is the quality of being true in orappropriate for all situations. It is by this reason that combinatorics of the unification theory is practically infinite. Universality of theabsolute calculus makes us to feel the embarassment of the richewhich is, however, not very pleasent feeling. We risk to be lost inthe infinite wealth of the resource offered by the absolute geometry. Therefore, we are required to be wise and witty enough to distinguishfrom the beginning what is the major selected theorems of thesuperunified theory and what is just a game. The ultimate goal of physics is to derive space-time, mathematically and fromfundamental principles. Therefore,

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \equiv \sqrt[89]{10} e^{5\Phi \pi e i_1 \sqrt{2}} \ . \tag{60}$$

Newton's time is bifurcated into absolute global cosmicand relative local times by some subtle algorithmic reasons we hereomit. At least we have an exact

$$\sqrt[\sin \Delta_{Exprm.}]{\left\{i_2 = \frac{4}{\pi}\right\}^{\Delta_{Exprm.}}} = 124201 \cdot 10^{16}. \tag{61}$$

Physics is puzzled for a century by the quantum leapprocesses in the microworld. So, let us consider the topic of

quantum leap operators & cosmological evolution.

The best way to scare away the useless people and get ridof homegrown philosophers is to say that even elementary algebrastill remains incomplete and we are going to complete it.

Once I wanted to have some specified fraction like

$$ABCdef... = \frac{1}{CBAdef...}$$
 (62)

and got it as

$$\exists = 571100522647...$$
 (63)

$$\frac{1}{\exists} = \frac{1}{175100522647...} \tag{64}$$

and named it, though tentatively, as the bifrurcation constant. Geometry needs also in quantum leap operators such as

$$e^{©} = \bigcirc^{-1}: \tag{65}$$

$$\ln = -$$
; (66)

$$©=0.567149290405...$$
 (67)

One can calculate yet another obvious one by iterations

$$\lg @=-@; (73)$$

$$10^{@} = @^{-1}$$
. (74)

The most usable decimal form of the mirror-E is

$$(64) \qquad \exists = 5.71100522647... \qquad (75)$$

Now that we are prompted to write the following obvioustri-unity of the above operators

$$\frac{\exists}{\bigcirc (a)}$$

This will be the integrated operator of cosmological evolution. Their does exist also an operator of organic growth process

$$\chi = 5.06384686161429420 \tag{76}$$

$$\exp e^{\chi} = \chi. \ 10^{68}$$
 (77)

Generally, organic growth and Phi-invariance are equivalentconcepts, for

$$e^{ee}=1000\Phi \tag{78}$$

As it is nearly a common knowledge, the purpose of the Universe is self-cognition. In this regard we have before obtained the three fundamental operators of mathematical harmony and symmetries, and that of spontaneous bifurcation evolution of theentire system

Universal harmony
$$X = {}^{\Phi\pi e + 1}\sqrt{10^{90}};$$
 (79)

Fundamental symmetries
$$e^{5\Phi\pi e i_1\sqrt{2}}$$
: (80)

Quantum mechanism of evolution
$$\frac{\exists}{@@}.$$
 (81)

They compose the Holy Trinity of geometry

$$\left\{ \boldsymbol{X} \cdot \boldsymbol{e}^{5\Phi\pi e i_1 \sqrt{2}} \cdot \frac{\exists}{\circledcirc \boldsymbol{@}} \right\} = \tag{82}$$

= 2.8262258124126953859726921782076e+61.

It is notably this trinity that rules the world. And the world looks tous hardware, though in fact it is pure software we are trying todescribe. The trick of making the observers cheated is the methodof topological configurations. The five Fermat-Gauss regularpolygons provide a configurartion which is topological density

$${3,5,17,257,65537}^{\times}$$
. (83)

It is a decent mathematical fact owing to

$$\sqrt[\pi]{\{3,5,17,257,65537\}_{+}^{\times 5}} = 10^{22.9999...}$$
 (84)

And an extremely favourable theorem of the unificationtheory appears to be, by definition,

$$\left\{ \boldsymbol{X} \cdot e^{5\Phi\pi e i_1 \sqrt{2}} \cdot \frac{\exists}{@@} \right\} \equiv \left\{ 3, 5, 17, 257, 65537 \right\}_{+}^{\times}$$
 (85)

It implies that whatever does the holy trinity in geometry reducesin the end to some compass-and-straigtedge algorithmicconstructions in plane projections like in Figure 1. Indeed, theunified model of fundamental fermion particles can and must bedrawn on a complex plane as multifurcation of the mathematicalpoint. If accurately (86),

$$\left\{ X \cdot e^{5 \oplus \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{\circledcirc @} \right\} = \{3, 5, 17, 257, 65537\}_{+}^{\times} \cdot 10^{46.999895...}$$
(86)

The equation is corrected by

$$\varepsilon = \frac{1}{4165.1048983637799713367811370364} \tag{87}$$

As it is easy to guess,

$$e^{\Phi \pi i_1} \cdot 4165.1049 = \frac{24098407}{9} \,. \tag{88}$$

So, the Platonic world of regular figures owes to (89-91)

$$\mathbf{D}\{2\}_{+}^{\mathsf{x}} = \{3, 5, 17, 257, 65537\}_{+}^{\mathsf{x}} = 282690452389605; \quad (89)$$

$$\mathbf{D\{3\}}_{+}^{\times} = \begin{bmatrix} 4 & 6 & 4 \\ 6 & 12 & 8 \\ 8 & 12 & 6 \\ \hline 12 & 30 & 20 \\ \hline 20 & 30 & 12 \end{bmatrix}_{+}^{\times} = 313714645401600000; \tag{90}$$

 $= 2.8338438986259070341838012416 \cdot 10^{45}.$

In terms of absolute geometry the Pythagoras-Plato worldhas to be written in short as

$$\Phi^3 i_1 \cdot \mathbf{D} \{4\}_+^{\mathsf{x}} \tag{92}$$

And if in shortest, the quantum Bigbang event is written assimply as

$$\frac{10^{45.99999...}}{\odot} = \frac{\Phi^3 i_1}{\text{Spin}} \cdot \mathbf{D} \{4\}_{+}^{\times}. \tag{93}$$

Fundamental theories are obliged to derive their constants from basic principles, and explicitly. Relativity theories are deficient-to accomplish this task. The unified theory makes difference. E.g., we achieve Newton-Gauss unification in a nontrivial way

65537^{6.673} =
$$\Phi \pi e \cdot 10^{30.9999...}$$
: (94)

$$\left\{G^{G}\right\}^{G} = \Phi \pi \cdot 10^{35.999999...}$$
 (95)

Newton's bare numeric gravitational constant can be derived in many ways and proved that it infinitely tends to the finite fraction 6.673. Absolute dimension of G is

$$\dim G = \Phi^2 \sqrt{2}.$$
 (96)

Therefore, we are prepared to configure the selfgravitational alfour-dimensional curved and torsional Pythgoras-Platospace-time as below (97): $G \dim G$

$$\frac{\cdot \left\langle \left\{ \pi \frac{\Phi^{3} \sqrt{i_{1} i_{2}}}{\operatorname{Spin}} (3+1) \operatorname{dim}_{\Phi} \Phi^{3} \sqrt{i_{1} i_{2}} \right\} \cdot \right\rangle}{\cdot \left\{ \mathbf{D} \left\{ 2\right\}_{+}^{\mathsf{x}} \cdot \mathbf{D} \left\{ 3\right\}_{+}^{\mathsf{x}} \cdot \mathbf{D} \left\{ 4\right\}_{+}^{\mathsf{x}} \right\}} = \Phi^{10}.$$
(97)

This strange logarithmic mechanism is somewhat standardin geometry owing to the radix problem of mathematics seen in

$$\Phi^{10} + \Phi^{-10} = 123. \tag{98}$$

It is compulsory that we investigate what is thephenomenology of the modern physics from the point of view of unification theory. We use the following experimental values ofthe five fundamental constants of physics:

$$\begin{array}{l} C_{Maxwell} = 2.99792458; \\ G_{Newton} = 6.673; \\ h_{Planck} = 6.62606876; \\ m_{electron} = 9.10938188; \\ e^{\pm}_{Coulomb} = 1.602176462. \end{array} \tag{99}$$

The absolute-geometric dimensions are

$$\operatorname{Dim}G = \frac{\Phi^{2}}{\sqrt{2}};$$

$$\operatorname{Cosm.} = \frac{G}{\dim G};$$

$$\operatorname{Dim}m = \sqrt{2};$$

$$\operatorname{Dim}e^{\pm} = \Phi\sqrt{\sqrt{2}};$$

$$\operatorname{Dim}c = i_{1};$$

$$\operatorname{Dim}E = \Phi\sqrt{2}.$$
(100)

The phenomenology as a whole has to be configured asobviously as

$$\left\{ \frac{Ghm_e e^{\pm} c \cdot \dim \left\{ Ghm_e e^{\pm} c \right\}}{\alpha a_e} \right\} = Physics .$$
(101)

Because of the universality of the system, it can be derived inmany equivalent ways. Most standardly

$$\left\{ Physics \right\}^{\Phi \pi i_1} = \frac{16595794}{9} \cdot 10^{56} \tag{102}$$

The HI on the right is justified by such consistent reasons of the system as

16595794 ·
$$\Phi \pi e = 229313715$$
; (103)

$$\left\{\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \cdot (3.5 \times 4)\right\} \cdot \mathbf{16595794} = \mathbf{4543705786} \cdot (104)$$

Physicists do mainly think that the final theory shouldprovide no more and no less than the theory of elementary particles. It is in 1987 that I came to the idea that fundamental fermions are nothing but different excitation states of the mathematical point.

Now the theory of elementary particles is fully embraced by the configuration of the internal geometry of the point-singularity

$$\left\{ \frac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\}.$$
(105)

It owes to a standard mechanism

$$\left\{ \frac{\Delta_{Exprm.} \Theta_{W} \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_{W} \cos \Theta_{W} \cos 2\Theta_{STR.}} \right\}^{\Phi \pi e} = (106)$$

$$= \sin \Delta_{Exprm.} \cdot 10^{87.999...}.$$

Or else.

$$\left\{ \frac{\Delta_{Exprm.} \Theta_{W} \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_{W} \cos \Theta_{W} \cos 2\Theta_{STR.}} \right\} \cdot \left\{ X \cdot e^{5\Phi \pi e i_{1} \sqrt{2}} \right\} = \frac{10^{65.999999...}}{\cos 2\Theta_{STR}}.$$
(107)

The real-imaginary bifurcation in mathematics is

$$\cos i \Leftrightarrow \cos 2\Theta_{STR}$$
. (108)

Symmetries are necessarily broken

$$\{10\cos 2\Theta_{\rm crp}\}^2 \neq 10\cos i.$$
 (109)

One of Ramanujan famous series embraces the entirecontituum an equals suddenly to

$$\sqrt{(\pi e/2)} \tag{110}$$

We study the continuum, too, which case obliges us to have

$$\left\{ \sqrt{\frac{\pi e}{2}} \right\}^{\Phi} = 2\Phi \left\{ 1 - \frac{\cos 2\Theta_{STR.}}{100000} \right\}.$$
(111)

Consequently, the strong Theta parameter of geometry is the measure of symmetry violations and broken symmetries are compensated by the existence of the physical Universe.

In the superunification theory it is easy to write whateverlarge superunified equations. Yet, logically and aesthetically more-important to derive compact and deepest in meaning equations. Therefore, the next one shows in briefest how space-time of absolute geometry is factorized into most essential configurations of the system of universal matheamtical harmony

$$\left\{ X \cdot e^{5\Phi\pi e i_{1}\sqrt{2}} \cdot \frac{\exists}{\circledcirc @} \right\} \cdot \left\{ \frac{\Delta_{Exprm.}\Theta_{W} \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_{W} \cos \Theta_{W} \cos 2\Theta_{STR.}} \right\} \cdot \left\{ \frac{G \cdot hm_{e}e^{\pm}c \cdot \dim \left\{Ghm_{e}e^{\pm}c\right\}}{\alpha a_{e}} \right\} =$$

$$= \pi \frac{\Phi^{3}\sqrt{i_{1}i_{2}}}{\mathrm{Spin}} \left\{ (3+1)\dim_{\Phi} \Phi^{3}\sqrt{i_{1}i_{2}} \right\} \cdot 10^{75.000...}.$$

The space-time structure of electromagnetic waves is . (113)

Then, spinor particles will be

$$\Phi.137.035999.i_1.$$
 (114)

Now we prepared to write a fullblown unit particle as follows below:

$$\begin{cases}
Space & \Phi \cdot 90 \cdot 137.035999 \cdot ^{Time} i_{1} \\
\cdot Ghm_{e}e^{\pm}c \cdot \dim \left\{ Ghm_{e}e^{\pm}c \right\} = \sqrt[\pi]{142736 \cdot 10^{23}}.
\end{cases} (115)$$

And note that

$$142736 \cdot \{3, 5, 17, 257, 65537\}_{+}^{\times} \cdot \frac{7434925}{3} = 10^{26} . \tag{116}$$

The cosmlogical constant of the unified theory is

$$Cosm. = \frac{G}{\dim G}. \tag{117}$$

What is strange, in this theory Einstein's energy is almostabsent. Instead, the theory everywhere uses the universal energy configuration

$$\mathbf{U_{E}} = E_{ag} \cdot hh_{ag} \cdot 2Nm_{e}c^{2} \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} =$$

$$= 2260258601.268245380...$$
(118)

And this notably explains some oddities of observations making much noice in cosmology and astrophysics

$$\left\{ \mathbf{U}_{\mathbf{E}} \right\}^{Cosm.} = 10^{e} \cdot 10^{31.00000...}$$
 (119)

$$\left\{ \mathbf{U_E} \right\}^{\oplus} = \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \cdot 10^{83.99999...}$$
 (120)

These describe the laws of cosmological expansion.

Discovering absolute geometry the human civilization passes over the Pons Asinorum in cognition. In this article weindicated only some key points of physics leaving aside many sections the theory, including the theory of biology in general and human genetics, in particular.



To around up, we would highlighttwo points related to the cognitivehistory. The best idea of the Oxidentalcivilization is neither geometry, notmonoteism, but the concept of geometrizing God. We have restored the Creation Act algorithm performed once by the Supreme Intelligence. Perhaps, no human cowardice couldever argue with this revolutionary fact though something has gone deeplywrong in this world lately.

The most comprehensive and prophetic scientific programme was and still remains General Scholium of Newton.

Indeed, as it proves to be, the "eternal, infinite, absolutely perfect" cosmic intelligence does exist.

Newton's immortal soul may now eventually relax seeing that the universal gravitation is golden algorithmic origin

$$\left\{ \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \right\}^{G \cdot dimG} = \cos \Theta_W \cdot 10^{16}$$
 (121)

In cosmological terms

$$\left\{ \pi \frac{\Phi^{3} \sqrt{i_{1} i_{2}}}{\text{Spin}} \cdot (3+1) \cdot \dim_{\Phi} \Phi^{3} \sqrt{i_{1} i_{2}} \right\}^{Cosm.=\frac{G}{\dim G}} =$$

$$= \frac{1232708080}{3}.$$
(122)

And foreseeably,

$$\cos 2\Theta_{STR} \sqrt{1232708080} = \exp \exp e \cdot 10^{17},$$
 (123)

showing that the entire cosmological evolution reduces to theorganic growth process of something absolutely abstract.

The traditional Mongolian metaphysical philosophydeclares that apart from cosmic physical forces there is "Great Wisdom and Wit" auspicious to mankind. Now we know what isgreat wisdom and wit and it is provable that cosmology is, indeed,anthropocentric.

In the Oriental civilization Buddha Gautama Sakyamunidoctrined that there does exist onlyPathway, that is, algorithm, leading to the universal harmony.



Finally, it is a must for us to sharethe following vital information withthe scientific community. Notablythat the microelectronic digitaltechnology of ours has by nowbecome compatible with theuniversal cosmic mathematical machinery. As a result, Cosmos isenabled to hack our digital devices and send to us this life timeportrait of Buddha. Consequently, Buddha's immortal soul stillbrowses around in the cosmos to endorse, when time comes, discovery of absolute knowledge by the human intellect under the close guidence by the Cosmos.

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