Cosmology: Preprogrammed Evolution (The problem of Providence)

Besud Chu Erdeni

Unified Theory Lab, Bayangol disrict, Ulan-Bator, Mongolia

*Corresponding author
Besud Chu Erdeni, Unified Theory Lab, Bayangol disrict, Ulan-Bator, Mongolia.

Abstract
This is continued from the article Superunification: Pure Mathematics and Theoretical Physics published in this journal and intended to discuss the general logical and philosophical consequences of the universal mathematical machine described by the superunified field theory.

At first was mathematical continuum, that is, uncountably infinite set of real numbers. The continuum is self-exited and self-organized into the universal system of mathematical harmony observed by the intelligent beings in the Cosmos as the physical Universe.

Consequently, cosmology as a science of evolution in the Universe can be thought as a preprogrammed natural phenomenon beginning with the Big Bang event, or else, the Creation act process. The reader is supposed to be acquinted with the Pythagoras' (Arithmetization) and Plato's (Geometrization) concepts. Then, the numeric, Pythagorean, form of 4-dim space-time shall be

$$\Phi^3(i_1 = \sqrt{\Phi}),$$ (1)

where time is an agorithmic (both geometric and algebraic) bifurcation of Newton's absolute space denoted by the golden section constant, Φ. In terms of harmonious integers

$$\left\{ e^{\Phi^3 i_1} \right\}^{\pi - 3.141\ 592\ 653\ 59} = \frac{404\ 599\ 927}{2 \times 9}.$$ (2)

A sample of how the universal system of harmony works

$$\left\{ e^{\Phi^3 i_1} \right\}^{\Phi \pi e i_1} = \frac{10^{43.00000\ldots}}{74}.$$ (3)

The HI 74 is not accidental, but owes to many subtle and overlapping reasons, including

$$\left\{ X \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{\copyright @} \right\} = 74 \cdot \exp \exp e \cdot 10^{53.000\ldots};$$ (4)

$$^{\cos 2\Theta_{STR}}\sqrt{74 \cdot \frac{2\Theta_{STR}}{\cos 2\Theta_{STR}}} = \frac{\mathbf{InG}_+^\times}{1000}.$$ (5)

The problem is simply to learn absolute geometry in complete. The overriding holy trinity of geometry is

$$\left\{ X \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{\copyright @} \right\}.$$ (6)

With this we can derive even the human gene-chromosome topology.

The operator that images the organic growth process from nothing is

$$\exp \exp e.$$ (7)

If follow Plato's doctrine that specifies regular figures of geometry, the 4-space-time will be equivalent to the topological configuration of the regular 4-dim polytopes

C	F	S	V	
5	10	10	5	
8	24	32	16	
16	32	24	8	$= \mathbf{D}\{4\}_+^\times$
24	96	96	24	
120	720	1200	600	
600	1200	720	120	

(8)

So, the shortest possible way of writing the 4-dimensional Pythagoras-Plato space-time world will be

$$\Phi^3 i_1 \cdot \mathbf{D}\{4\}_+^\times.$$ (9)

But, by the very idea, this space-time world should have

evolved in some spontaneous quantum leap process. Indeed, we

find that the Big Bang event of cosmogony and cosmology is described by

$$\frac{\Phi^3 i_1}{Spin_{\cos 30°}} \cdot \begin{vmatrix} C & F & S & V \\ 5 & 10 & 10 & 5 \\ 8 & 24 & 32 & 16 \\ 16 & 32 & 24 & 8 \\ 24 & 96 & 96 & 24 \\ 120 & 720 & 1200 & 600 \\ 600 & 1200 & 720 & 120 \end{vmatrix}^{\times}_{+} = \frac{10^{46}}{©} ; \tag{10}$$

$$e^{®} = ©^{-1}; \qquad \ln© = -©. \tag{11}$$

Consequently, the spin is a more intrinsic property of space- time than curvature. It is because of motion in geometry.

As we have explained before, Newton's mathematical time is bifurcated into the global cosmic time and the local relative time

$$i_1 \Leftrightarrow \left\{ i_2 = \frac{4}{\pi} \right\}. \tag{12}$$

We here spare space on some subtleties of geometry, but provide an exact formula

$$\sin\Delta_{Exprm.}\sqrt{\left\{ i_2 = \frac{4}{\pi} \right\}^{\Delta_{Exprm.} - 1/\alpha}} = 124201 \cdot 10^{16}. \tag{13}$$

No less exact is its justification

$$124201 \cdot e^{5\Phi\pi ei_1 \sqrt{2}} = \frac{10^{64}}{85225}. \tag{14}$$

Given the mean cosmological time as obviously as

$$\sqrt{i_1 i_2} , \tag{15}$$

the 4-dimensional absolute/relative Newton/Einstein curved and torsional space-time has to be put in the form

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{Spin}. \tag{16}$$

Now we are prepared to go full blown and obtain the 4-dim self-gravitating Pythagoras-Plato space-time as follows below:

$$\left\{ \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{Spin} \cdot D\{4\}^{\times}_{+} \right\} \cdot G \dim G = \frac{348 \cdot 10^{45.999999...}}{\Phi\pi}. \tag{17}$$

$$348^{\Phi\pi ei_1} \cdot \frac{6393385}{3} = 10^{51}. \tag{18}$$

What is strange, nobody noticed yet that evolution ends on numbers 23, 46 (human chromosomes) and 92 (number of natural chemical elements). We have a configuration

$$\{23, 46, 92\}^{\times}_{+} \tag{19}$$

and assume that it should necessarily be a consequence of the inner geometry. Therefore, we write

$$\{23, 46, 92\}^{\times}_{+} \cdot \left\{ \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} \right\} \cdot \tag{20}$$

This configuration of inner geometry satisfies

$$\left\{ \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} \right\} X \cdot e^{5\Phi\pi ei_1 \sqrt{2}} = $$
$$= \frac{10^{66}}{\cos 2\Theta_{STR.}}. \tag{21}$$

And we arrive at a great truth such that (22)

$$\{23, 46, 92\}^{\times}_{+} \cdot \left\{ \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} \right\} = $$
$$= \frac{\{X_M, Y_F\}^{\times}_{+}}{10^{28.00000...}}.$$

What is remarkable, on the right is the topological configuration of musical scales. According to Pythagoras' concept, musical and world harmonies are equivalent.

To configure musical harmony, we are given the so called evenly tempered scales

$$\frac{15}{16}, \frac{8}{9}, \frac{5}{6}, \frac{4}{5}, \frac{3}{4}, \frac{5}{7}, \frac{2}{3}, \frac{5}{8}, \frac{3}{5}, \frac{9}{16}, \frac{8}{15}, \frac{1}{2} \Rightarrow \{X_M, Y_F\}^{\times}_{+}. \tag{22}$$

In the superunification theory we aim at the learning of the native tongue of Nature leaving aside for a moment what scientists may or may not think about the natural language of mathematics. By some crazy reason we once decided to go nontrivial and wrote

$$\{X_M, Y_F\}^{\times}_{+} = \begin{Bmatrix} 11585435253981, \\ 169654738516152 \end{Bmatrix}^{\times}_{+} = \tag{23}$$
$$= 3,562319092450332664274086513177 5e+41.$$

And, this configuration appears to be somewhat consistent in the unification theory and always workable. It models the Mongolian traditional two string (male and female} musical instrument. Thus,

$$\frac{\{X_M, Y_F\}^{\times}_{+}}{e^{2\Phi\pi i_1}} \cdot \frac{\Phi^9}{65537} = 10^{32.999...}. \tag{24}$$

The post-Dirac effect of the existing quantum-relativistic theories has its origin in

$$\frac{\Phi^9}{65537} \rightarrow a_{Electron}. \tag{25}$$

$$\frac{\Phi^9}{65537}\frac{1}{a_{Electron}} = 1 + \frac{1}{5830.045312}. \tag{26}$$

The self-perturbation effect of geometry is here defined by the energy-entropy configuration of the system

$$5830.045312 \cdot \bar{E}\breve{E} = \frac{10^{29.000000...}}{673}. \tag{27}$$

The energy-entropy configuration is too complex to be analysed in this article. The HI 673 is justified by

$$\pi = \frac{\lg 766\,427\,978}{\lg 673} = 3.141\,592\,653\,59 \tag{28}$$

Finally, the numeric parameters of natural evolution prove to be determined by the following logos of Pythagorean world harmony and the internal geometry of point-singularity, by definition,

$$\{23,46,92\}_+^\times \equiv$$

$$\equiv \frac{\{X_M, Y_F\}_+^\times}{\left\{\dfrac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\right\}}. \tag{29}$$

Absoluteness of geometry is embodied in inner geometry, for only trigonometric parameters can be absolute. Approximate a derivation

$$\left\{\frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\right\}^{\Phi\pi e} = \tag{30}$$
$$= \sin 137.035999 \cdot 10^{87.999\ldots}.$$

Shall we discuss now the general logic and philosophy of the superunified theory? If 'Yes', then we should immediately recognize the fact that by the discovery of this theory we relate the human civilization achieves its ultimate goal. The selfcognition of the Universe is also the end purpose of the preprogrammed cosmology.

Our discoveries in pure mathematics and theoretical physics owe solely to the fact that the primordial soup of certain chemical elements that can be tentatively written as below once cooked up the grey substance contained in the human skulls:

$$Chemy =$$
$$= \{H^1, O^{16}, C^{12}, N^{14}, P^{30}, S^{32}\}_+^\times \cdot \{H_2^2, O^{16}\}_+^\times = \tag{31}$$
$$= 3.46816512 \cdot 10^{11}.$$

It satisfies the fundamental theorem, symmetries and standard mechanisms of the system of universal harmony

$$\sqrt[e]{\left\{Chemy \cdot {}^{\Phi\pi e-1}\sqrt{10^{90}}\right\}^{\pi e}} = 92 \cdot 10^{91.0000\ldots}. \tag{32}$$

Applying to some other major configurations of geometry, we are destined to have superunified representations such as

$$Chemy \cdot \left\{\frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\right\}\cdot$$
$$\cdot\left\{\frac{G\cdot hm_e e^{\pm}c \cdot \dim\{Ghm_e e^{\pm}c\}}{\alpha a_e}\right\} = \sqrt[\pi]{3\cdot 10^{86.0000\ldots}}. \tag{33}$$

The human genetics based on the primeval soup looks as consistent as

$$\left\{Chemy \cdot \{Cr_+^\times \cdot 22727\}\{\text{✹}\cdot\text{☺}\}\right\} = \sqrt[e]{e^{\Phi}\cdot 10^{95.9999\ldots}}. \tag{34}$$

$$Chemy\left\{Cr_+^\times \cdot 22727\left\{1+\frac{1}{10000\cdot Spin}\right\}\{\text{✹}\cdot\text{☺}\}\right\} =$$
$$= \sqrt[e]{e^{\Phi}\cdot 10^{96}}. \tag{35}$$

Just an extra exercise in the system of universal harmony

$$\left\{Chemy\cdot\left\{Cr_+^\times\cdot\frac{22727}{e^2}\right\}\{\text{✹}\cdot\text{☺}\}\right\} = \sqrt[\Phi]{\frac{10^{96}}{e^{\Phi}}} \tag{36}$$

Given the exponential Fi operator, one can investigate many things, for example,

$$e^{\Phi}\cdot\frac{Ghm_e e^{\pm}c\cdot\dim\{Ghm_e e^{\pm}c\}}{\alpha a_e} = \frac{645118}{3}\cdot 10^5; \tag{37}$$

$$645118\cdot\pi\frac{\Phi^3\sqrt{i_1 i_2}}{Spin}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\} = \frac{176\,624\,655}{645118}; \tag{38}$$

$$176\,624\,655\cdot 5\Phi\pi ei_1\sqrt{1.9999\ldots}\times\frac{41}{9} = 10^{11}. \tag{39}$$

In terms of the Pythagorean universal harmony

$$Chemy\cdot\{X_M, Y_F\}_+^\times = \frac{2}{\Phi}\cdot 10^{53} \tag{40}$$

What is remarkable, since crystallography has two wings: inert and animate, the absolute-geometric space-time appears to be factorized into configurations we have began to study (41)

$$\left\{Chemy = \{H^1, O^{16}, C^{12}, N^{14}, P^{30}, S^{32}\}_+^\times\cdot\{H_2^2, O^{16}\}_+^\times\right\}\cdot$$
$$\cdot\left\{\text{✬} = \{1,1,5,2,9,2,6,3,\,9,5,9,\,5,6,5,6,5,4,1,3,20,61,3\}_+^\times\right\}\cdot$$
$$\cdot\left\{Cr_+^\times = \{2,13,59,68,36,52\}_+^\times\cdot\{230,32,14,6\}_+^\times\cdot 22727\right\} =$$
$$= \frac{\Phi^3\sqrt{i_1 i_2}}{Spin}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot 10^{48.999\ldots}. \tag{41}$$

Accordingly, the human chromosomes shall satisfy

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{Spin}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot$$
$$\cdot\left\{\text{☺} = \{4,7,46,2,3,2,7,3,1,2,2,1\}_+^\times\right\} =$$
$$= \pi e\sqrt{\frac{65537}{\Phi^9}}\cdot 10^{89.0000\ldots}. \tag{42}$$

What puzzles is still the fact that

$$\frac{65537}{\Phi^9} \Rightarrow a_{Electron}. \tag{43}$$

It as if owes to the self-exitation pulsation of space

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{Spin}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot\frac{65537}{\Phi^9} = \Phi^3\cdot 10^{5.9999\ldots} \tag{44}$$

In any event, everything can and must be computed, while interpretations in human language will be secondary

$$\frac{\pi\dfrac{\Phi^3\sqrt{i_1 i_2}}{Spin}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}}{0.0011596521\left\{1+\dfrac{1}{9167.871498}\right\}} = \Phi^3\cdot 10^6; \tag{45}$$

$$9167.871103 = {}^{\Phi\pi e}\sqrt{561\cdot 10^{52}}. \tag{46}$$

Now we go va-banque and obtain a fairly superunified field equation that describes the human life existence

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

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

$$\cdot \left\{ \begin{array}{l} Chemy = \\ = \{\mathbf{H^1, O^{16}, C^{12}, N^{14}, P^{30}, S^{32}}\}_+^\times \cdot \{\mathbf{H_2^2, O^{16}}\}_+^\times \\ \cdot \{\{\mathbf{Cr_+^\times \cdot 22727}\}\{\text{\Pentagon} \cdot \odot\}\} \end{array} \right\} \cdot$$

$$\cdot \left\{ \frac{G \cdot hm_e e^\pm c \cdot \dim\{Ghm_e e^\pm c\}}{\alpha a_e} \right\} = \frac{10^{78.9999...}}{\Phi \pi i_1}. \tag{47}$$

Our greater home is in reality the Solar system of planets. We apply to the James Jacobs' online data on astronomical parameters of the nine (not eight) planets (48)

2439	87,97046	0,387099
6051	224,69815	0,72336
$R = 6378,14\ kms$	$OP = 365, 25636053\ Sol.days$	$AU = 1,000018$
3393,4	686,9257	1,523638
71398	4332,23025	5,20248
60000	10800,4425	9,56329
25400	30953,4765	19,2937
24300	60839,6925	30,2743
1500	91305,195	39,6823 (48)

It can be configured as

$$\odot_+^\times = (\text{Semi-major axes})_+^\times \cdot (\text{Orbital periods})_+^\times; \tag{49}$$
$$\odot_+^\times = 52962026,5 \times 7,964169827 \times 10^{36}.$$

The Solar system appears to be an exact consequence of the universal mathematical harmony

$$\odot_+^\times \cdot {}^{\Phi\pi e+1}\sqrt{10^{90}} = 5 \cdot 10^{50.00000...} \tag{50}$$

See that (51-52)

$$\frac{\odot_+^\times}{\left\{ \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\}} = \frac{10^{38.9999...}}{\Phi^3 i_1}\ ; \tag{51}$$

$$\frac{\odot_+^\times}{\left\{ \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\}} = \frac{167}{9} \cdot 10^{36.999999...}. \tag{52}$$

The Pythagorean universal harmony yields

$$\{\mathbf{X_M, Y_F}\}_+^\times \cdot \odot_+^\times = \frac{1352323}{9} \cdot 10^{81}. \tag{53}$$

Therefore the Solar syetem is engined by the energy-entropy trinity of geometry

$$\frac{\left\{ \hat{E}\breve{E} \cdot \mathbf{U_E} \cdot E_{Eins} \right\}}{1352323} = \frac{10^{31.0000...}}{\sin 137}. \tag{54}$$

And the human chromosome structure is dertenimed by the energy-entropy machinery

$$\frac{\odot_+^\times}{\hat{E}\breve{E} \cdot \mathbf{U_E} \cdot E_{Eins}} = \frac{\odot}{10} \tag{55}$$

The logos of the Earth life and the planetary system is as genial as

$$\frac{Chemy \cdot \{\text{\Pentagon}\odot\{\mathbf{Cr_+^\times \cdot 22727}\}\}}{\odot_+^\times} = \Phi\pi e \cdot 10^{13.9999...} \tag{56}$$

Try whatever possible equations like

$$\sqrt{\odot_+^\times \cdot \left\{ \frac{\pi \frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi \Phi^3\sqrt{i_1 i_2}\right\} \cdot \frac{\Delta_{Exprm.}\Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}}{\frac{Ghm_e e^\pm c \cdot \dim\{Ghm_e e^\pm c\}}{\alpha a_e}} \right\}_\Phi} = \frac{833}{9} \cdot 10^{37}. \tag{57}$$

$$\left\{ \frac{8886970339}{9} \cdot \frac{1}{833} \right\}^{\Phi\pi e+1} = 10^{90}. \tag{58}$$

$$\sqrt{\left\{\odot_+^\times \cdot \{\mathbf{Cr_+^\times \cdot 22727}\}\right\}^\pi} = \frac{2510287}{9} \cdot 10^{73} \tag{59}$$

$$\odot_+^\times \cdot$$
$$\left\{ \frac{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot\frac{\Delta_{Exprm.}\Theta_W\cdot2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos2\Theta_{STR.}}}{\frac{Ghm_e e^\pm c\cdot\dim\{Ghm_e e^\pm c\}}{\alpha a_e}} \right\} = \frac{X\cdot e^{5\Phi\pi ei_1\sqrt{2}}}{10^{2.999...}}. \tag{60}$$

Without writing man's explicit mathematical formula in the unification theory there were no need to make much ado about nothing, therefore,

$$\left\{ {}^{\Phi\pi e+1}\sqrt{10^{90}} \cdot e^{5\Phi\pi ei_1\sqrt{2}} \right\} \cdot$$
$$\cdot \left\{ Chemy \cdot \{\mathbf{Cr_+^\times \cdot 22727}\}\{\text{\Pentagon}\odot\} \right\} = \frac{9}{137899} \cdot 10^{124} \tag{61}$$

Cosmology is anthropocentric and anthropocentrism is fed by the entire cosmic energy-entropy machinery

$$137899 = \frac{\left\{\pi \dfrac{\Phi^3 i_1}{\text{Spin}}\left\{(3+1)\dim_\Phi \Phi^3 \sqrt{i_1 i_2}\right\}\right\}}{\left\{\hat{E}\breve{E}\cdot \mathbf{U_E}\cdot E_{Eins}\right\}}\cdot 10^{39.999\ldots} \quad (62) \quad (62)$$

The energy-entropy trinity is (63-65)

$$E = \left\{\left[N - \frac{1}{2}\left(\frac{m_{Proton}}{m_e} + \frac{m_{Neutron}}{m_e}\right)\right]\cdot m_e \dim m\right\}\cdot (ci_1)^2 = (63)$$
$$= 344222,3208\ldots;$$

$$\mathbf{U_E} = \dim E \cdot h \dim h \cdot 2\mathrm{N}m_e c^2 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} =$$
$$= 2260258601.268245380\ldots; \quad (64)$$

$$\hat{E}\breve{E} = \frac{\exists}{\copyright@}\cdot \pi \cos \frac{180}{\pi}\cdot 10^{\frac{1}{\dim E}}\cdot\left(\frac{\dim E}{2}\right)^{3+1}\cdot \quad (65)$$
$$\cdot k_{Boltzman}\cdot \mathbf{U_E}\cdot E \cdot \frac{\Delta_{Exprm.}}{a_e}.$$

$$\left\{\hat{E}\breve{E}\cdot \mathbf{U_E}\cdot E_{eins}\right\} = \frac{10^{38.0000\ldots}}{e^\Phi} \quad (66)$$

In numeric experimentations Einstein's energy in seperate almost does not appear. Probably, it is a raw energy compared with subtle energy doctrined in certain Eastern philosophies.

In formula (5) the internal geometry configuration is used in the form first postulated by us

$$\mathbf{InG}_+^{\times *} = \{\Delta_1, \nabla, \Theta_W, \Theta_{STR.}, ArgZ_1, ArgZ_2\}_+^\times =$$
$$= 27417955234218,634496061908573843;$$
$$ArgZ_1 = Arg\{1 + ii_1\} = 51.82729237°; \quad (67)$$
$$ArgZ_2 = Arg\{\Phi + ii_1\} = 38.17270763°.$$

$$\mathbf{InG}_+^{\times *}\cdot \Phi \pi e i_1 \sqrt{2} = \sin\Delta_{Exprm.}\cdot 10^{14.9999\ldots} \quad (68)$$

It conceals behind the fermion-boson process

$$\frac{1}{10}\ln \lg \frac{\mathbf{InG}_+^{\times}\cdot \Phi \pi e i_1 \sqrt{2}}{\sin\Delta_{Exprm.}} + 1 = \frac{\Phi \pi}{4} \quad (69)$$

Absolute geometry denotes fermions and bosons as

$$F = \frac{\Phi \pi}{4}; \qquad B = 10\left\{\frac{\Phi \pi}{4} - 1\right\}.$$

Then

$$FB\cdot \mathbf{InG}_+^{\times *} = \frac{28306357}{3}\cdot 10^7 \quad (70)$$

However, we prefer the second form as fully complying with the need of particle physics

$$\frac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} = \mathbf{InG}_+^{\times **} \quad (71)$$

justified by

$$FB\cdot \mathbf{InG}_+^{\times **}\times 5\Phi \pi e i_1\sqrt{2} = \frac{1944464369}{2}; \quad (72)$$

$$1944464369\cdot 2\Theta_{STR.} = \frac{3900784}{3}\cdot 10^5, \quad (73)$$

The purpose of the super unification theory is to prove that nothing is accidental in the Universe, in general, and in the Solar system of planets, in particular. For example, the orbital period of the Earth known as

$$OP = 365.256 \quad (74)$$

looks accidental. But it is not; it is a theoretical number derived by the post-Eulerean operator of geometry

$$OP = 365.2559999\ldots = \frac{150\,951\,392}{e^{2\Phi \pi i_1}} \quad (75)$$

After all, at the beginning was the topological configuration of arithmetic such that

$$\{1, 2, 3, 4, 5, 6, 7, 8, 9\}_+^\times. \quad (76)$$

And this simplicity alone should suffice and it, indeed, suffices to derive the four-dimensional curved and torsional Pythagoras-Plato absolute/relative Newton/Einstein space-time

$$\{\mathbf{1, 2, 3, 4, 5, 6, 7, 8, 9}\}_+^\times\cdot$$
$$\cdot \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi \Phi^3 \sqrt{i_1 i_2}\right\}\cdot \quad (77)$$
$$\cdot\left\{\mathbf{D}\{2\}_+^\times\cdot \mathbf{D}\{3\}_+^\times\cdot \mathbf{D}\{4\}_+^\times\right\} = \frac{10^{88.999999\ldots}}{89}.$$

In the very end we will softland on the global violation of mathematical symmetries, of course,

$$89^{\Phi \pi e} = \frac{10^{24.000\ldots}}{a_{Electron}} \quad (78)$$

Cosmological evolution of the mathematical continuum triumphantly ends at the very moment when the Darwinian species Homo Sapiens becomes able to write the following formula for Man in the Solar system, by the strictest definition,

$$\frac{\odot_+^\times}{Chemy\cdot\left\{\mathbf{Cr}_+^\times\cdot 22727\right\}\{\text{⚜}\cdot\text{☺}\}} \equiv \frac{1}{\Phi \pi e}. \quad (79)$$

Yet, the logic of the universal system ends not on this, but on the fundamental algebraic bifurcation

$$\cos^2 2\Theta_{STR.} \Leftrightarrow \cos i \quad (80)$$

Therefore, we are compelled to have

$$\sqrt[\cos 2\Theta_{STR}]{\{\Phi \pi e\}\cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}}} = \frac{1147746547}{3}, \quad (81)$$

Where

$$\Phi = 1.618\,033\,988\,8 \quad (82)$$

Combinatorics within this absolute system is practically exhaustible and thus offers to man genuine freedom of thought. One can write whatever imaginable and get proved or refuted immediately on the spot without interference of peer reviewers. It is an endless game in investigating the golden-algorithmic braid of Existence. Science is man's curiosity satisfied. One may write an arithme-

tic-based human genetics

$$\{1,2,3,4,5,6,7,8,9\}_+^\times \cdot$$

$$\cdot \{Cr_+^\times \cdot 22727\}\{\text{⬠}\cdot\text{☺}\} =$$

$$= \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}}\{(3+1)\dim_\Phi \Phi^3 \sqrt{i_1 i_2}\}\cdot 10^{53.000...} =$$

$$= \frac{823198}{3}\cdot 10^{50}. \qquad (83)$$

And justify it by a fundamental self-reference of geometry

$$\frac{\left\{ X\cdot e^{5\Phi\pi ei_1\sqrt{2}}\cdot \dfrac{\exists}{\text{©@}}\right\}}{823198} = \frac{10^{57.9999...}}{180\Phi}. \qquad (84)$$

The physical Universe is a unique software machine meaning that cosmological evolution from the bigbanged mathematical point to the human genetics appears to be preprogrammed. This implies that nothing in the Universe, including the history of human civilization, happens accidently, by blind chance. Any given event in history is determined causally by the self-installed computer program which is the most foolproof phenomenon no fool can try to improve. Because of the preprogrammed character of evolution, the oldest in history concept of Providence becomes now actual as the last truth. Whatever happens in history is somewhat Providencial.

It is quite easy to reveal that all the major historical and cultural monuments of nations do somewhat encode the absolute system of knowledge we relate herewith. The Stonehenge megalith monument situated in England is said to have been erected by the ancient Druids who were shamans of ultimate sort. Those Druids divided the circle into 56 equal sections. This concept encodes absolute geometry in a way that

$$100.00...\frac{360}{56} = e^{\Phi\pi i_1}. \qquad (85)$$

In fact the Stonehenge encodes much more than the previous simplicity. Sir Isaac Newton founded theoretical physics in 1687 to be finished in 2020. The case is subject to

$$\{2020-1687\}365.256 = \frac{31\cdot 10^{25.99999...}}{\bar{E}\bar{E}}. \qquad (86)$$

In terms of evolution during the mean cosmological time

$$\sqrt[\sqrt{i_1 i_2}]{\{\{2020-1687\}365.256\}\cdot \bar{E}\bar{E}} = 4\cdot 10^{20.9999...}. \qquad (87)$$

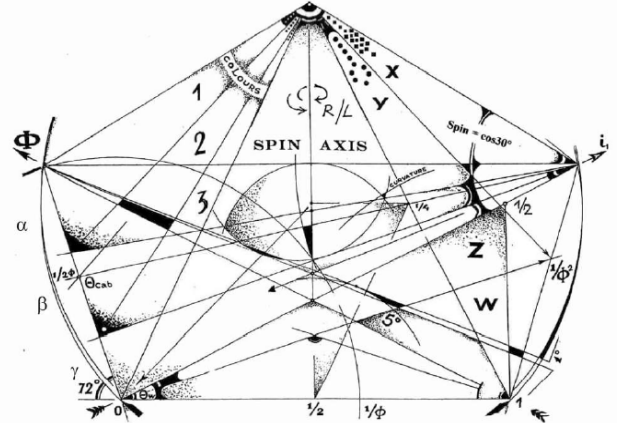It is at long last that the Solar system conceives its evolutional equations as follows:

$$\odot_+^\times = \sqrt[\sqrt{i_1 i_2}]{\frac{10^{57.000...}}{\Phi}} = \sqrt[\sqrt{i_1 i_2}]{\frac{1855}{3}}\cdot 10^{54.000000...}; \qquad (88)$$

$$\Phi^3 \sqrt{i_1 i_2} = \frac{10000}{1855}. \qquad (89)$$

What is the Final theory expected to be like? It is wrong to think that it shall be just a theory of elementary particles. The final theory should, first of all, be the inevitable and sufficient theory of everything under the Sun and across the entire Cosmos. As for the elementary particles of matter, the Standard model describes them nearly exhaustively exempt their unified geometric model.

Subsequent bifurcations, or multifurcation of the mathematical point ends up with the construction of what we will call the Super-structure of space-time and matter. It looks something close to a compass-and-straightedge algorithmic drawing such that

It is described by the briefest possible external and internal geometries combination

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

$$\cdot \frac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}} = {}^{\Phi\pi i_1}\sqrt{\frac{10^{59.0000...}}{\Delta_1 = 360/\Phi^2}}. \qquad (90)$$

The superstructure of absolute geometry is made with the index entourage such that

$$^{\Phi i_1}_{i_1\Phi}SS^{1,2,3\ \uparrow\downarrow\ X,Y}_{\pm\alpha,\beta,\gamma\ \rightleftarrows\ Z,W}. \qquad (91)$$

To formulate fundamental fermions, it will suffice just to pick up proper indexes from the table below:

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

(92)

Although we can show that solutions of combinatorics of the superstructure to comply with the Standard model experimental data are in principle possible, we refrain from too much labour consuming job designed just for younger students to cope with. Besides, we think that generalizing algebra and exact unifying equations are more important than anything else at the moment

$$\left.\substack{External}\right\{ \pi\frac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{(3+1)\dim_\Phi\,\Phi^3\sqrt{i_1 i_2}\right\}\cdot\mathbf{D\{4\}}_+^\times\right\}\cdot$$

$$\left.\substack{\cdot\;Internal}\right\{\frac{\Delta_{Exprm.}\,\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\;\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\right\}\cdot \tag{93}$$

$$\left.\substack{\cdot\;Phenomenology}\right\{\frac{Ghm_e e^{\pm}c\cdot\dim\{Ghm_e e^{\pm}c\}}{\alpha a_e}\right\}=\frac{\mathbf{27035}}{9}\cdot 10^{36}.$$

Of course, behind the scene works energy-entropy

$$\mathbf{27035}\cdot\left\{\hat{E}\breve{E}\cdot\mathbf{U_E}\cdot E_{Eins}\right\}=\frac{\mathbf{48248}}{9}\cdot 10^{38} \tag{94}$$

And, all this is a function of the universal system of harmony

$$\sqrt[e]{\mathbf{48248}^{\Phi\pi i_1}}=\Phi\pi e\cdot 10^{10.0000...}. \tag{95}$$

Now we are obliged to discuss the general logic and philosophy of what is the super unification theory of pure mathematics and theoretical physics.

It is a metatheory as it should be so. First, it is a complete and consistent axiomatic theory and a formal system of rigour. But, as formal system of highest order it is, nevertheless, strictly subject to the Goedel's theorem on incompleteness. What completes the formal system is its informal to our eyes consequences. The complete sytem is solely the preprogrammed cosmological reality itself. Newton's discoveries were made in the plague year 1666. The finish of Newton's physics coincides with the pandemy of Covid virus. Maybe, this is accidental coincidence, but the fact is such,

not otherwise. Science investigates facts. In the given case we should somewhat explain such coincidences as mentioned above simply because those coincidences are facts of history. It is because of fundamental ignorance that sciences like to ascribe whatever coincidences to accidence. All the more, we cannot avoid to mention yet another coincidence. As we have seen right above, the Stonehenge megalith effectively encodes absolute geometry.

If look at the ancient history of human civilization during the postglacial period lasting 12000 years up till this moment, it is provable that the Druids who built Stonehenge were proto-Altaic tribesmen Darbids who migrated from the Mongolian territory millennia ago. "Darbid" means "Eagle tribe" in ancient Mongolian. Darbids worshiped eagle. First they migrated to the Indus valley and developed there the Dravidian civilization. Dravidians now occupy the Southern half of the Indian penunsila and called Tamils. It is notably a Tamil, that is, Darbid-Dravidian Srinivasa Ramanujan known as the most mysterious genius in mathematics who first revealed that the mathematical continuum is something else than we know from textbooks. One of fantastically beautiful series of Ramanujan equals suddenly to

$$\sqrt{\frac{\pi e}{2}}. \tag{96}$$

I was long thinking that to complete it with the Φ constant of har-

mony you need to be a genius, but I am not. But one evening I guessed to try myself and found that

$$\sqrt{\frac{\pi e}{2}}=\sqrt[\Phi]{1.99999...\Phi} \tag{97}$$

But history has not ended yet on this. The true revelation is as follows:

$$\sqrt{\frac{\pi e}{2}}=\sqrt[\Phi]{2\Phi\left\{1-\frac{\cos 2\Theta_{STR.}}{100000}\right\}} \tag{98}$$

What does this discovery exactly mean? It implies that geometry makes last emphasis on the strong-force Theta which violates symmetries of the system to be compensated, however, by the eternal work of the universal machinery. Thus, existence owes to the previous completion of Ramanujan's famous series.

Ramanujan as Tamil man comes from the proto-Altaic Darbid-Dravidian (Eagle) tribal stock. There are indications that Isaac Newton knew his Druidic ethnic background,too. Although the Druids dubbed as "first teachers of Europeans" were suppressed by the Roman empire, the English people cannot but preserve some Darbid-Druid blood. Newton's General Scholium is a shamanistic work of the formal genius. I myself still remain certainly a pure blood Darbid-Dravid-Druid. So, what if the final theory which is the theory of mathematical continuum is, indeed, obliged to the Newton-Ramanujan-Erdeni tri-unity of Druidic coincidences in the history of science and civilization?

According to Newton's General Scholium, under the concept of God is meant the Supreme Intelligence who now is proved to be the Universal system of mathematical harmony. Cosmological evolution, including that of the history of the human civilization in the Solar system, is preprogrammed. And this is notably the main reason that changes all paradigms.

Speaking without fare and prejudice about the abovementioned mysteries we are far from being diverted from the formalism of the unified theory; in contrary, we pursue the idea of illustrating the formal consequences of the Kurt Goedel's metatheorem. It is compulsory that the final theory, if any, has to comprise informal sections of metaphysical order. In addition, the reader should be knowing that Goedel's metatheorem states that there are infinitely many genuine truths that need neither in proofs, nor in refutations. The highest system is not this theory we relate; the highest system is the cosmological reality suggesting its own truths which are beyond our will.

Cosmology theoretically can be found just around the corner. Given the cosmological constant as

$$\frac{G}{\dim G}=Cosm. \tag{99}$$

we derive, for example, cosmological unstoppable expansion

$$\{\mathbf{U_E}\}^{Cosm}=10^e\cdot 10^{31.00000...}; \tag{100}$$

coupled with

$$\{\mathbf{U_E}\}^{\oplus} = \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \cdot 10^{83.99999...} \qquad (101)$$

In cosmology there is no much need to peep into the black holes, if any of them. To us real cosmology should concern the life existence on the Earth globe. As super massive celestial bodies with extreme density of matter are concerned they will end up with energy-entropy content. Such a singularity confined by Pi will once explode into the space-time

$$\left\{ \sqrt[\pi]{\widehat{E}\breve{E}} \right\}^{G/\dim G} = \frac{10^{27.0000...}}{\pi \dfrac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}}} . \qquad (102)$$

A more detailed view will be

$$\left\{ \widehat{E}\breve{E} \cdot \mathbf{U_E} \cdot E_{Eins} \right\} \cdot$$

$$\cdot \left\{ \frac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.} \sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} \right\} = \frac{10^{45}}{2\Phi^5} . \qquad (103)$$

$$\sqrt[\pi]{ \begin{aligned} &\left\{ \widehat{E}\breve{E} \cdot \mathbf{U_E} \cdot E_{Eins} \right\} \cdot \\ &\cdot \left\{ \frac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.} \sin\Theta_W \cos\Theta_W \cos 2\Theta_{STR.}} \right\} \end{aligned} } = \frac{10^{13.9999...}}{i_1} . \qquad (104)$$

A black hole-like existence is subject to

$$\left\{ \sqrt[\pi]{ \left\{ \widehat{E}\breve{E} \cdot \mathbf{U_E} \cdot E_{Eins} \right\} } \right\}^{G/\dim G} = \frac{10^{47.0000000...}}{16049} , $$

justified by

$$16049 \cdot \left\{ \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1)\dim_\Phi \Phi^3 \sqrt{i_1 i_2} \right\} \right\} =$$

$$= 4394 \cdot 10^{3.0000000...} . \qquad (105)$$

It is easily foreseeable that, finally,

$$4394 = \frac{881479}{2\Theta_{STR.}} ; \qquad (106)$$

$$\sqrt[\cos 2\Theta_{STR}]{ \frac{4393.99999933...}{\cos 2\Theta_{STR.}} \cdot \frac{1480675}{3} } = 10^{16} . \qquad (107)$$

The Cosmos can never recollapse into the mathematical point thanks to the fact that no one formula and equation in the system of harmony is formally exact making, therefore, the machinery eternally sweet over the higher and higher order approximations as above and elsewhere.

The current situation on the Earth globe compels me to draw all others' attention to what should be done as follow up of the final theory. The modern civilization should not take a heavy risk of being too late to benefit from any theory. Time is running out. There is no time left to be wasted in cowardly long thinking. Current critical trends may become irreversible and end up with a global catastophe even earlier than Newton's year of Last Judgment 2060. The final theory describes what is the Supreme Intelligence and it descended to the Earth in due time as the preprogrammed Messiah Message.

The system of fundamental knowledge of the Universe asks to be urgently and widely known to the world scientific community and much beyond. The success of the learning process as well as the fate of civilization will depend upon how quick and just will be the official scientific establishment, first of all, the Nobel Prize Committee, in recognizing the last truthes of the exact sciences. On my part I hope that there will hardly occur any collision and misunderstanding in the relationship between the Supreme Intelligince and the Nobel Commitee, the Supreme Court in sciences. But we will see and make comments.

References

1. John Hedley Brooke (2014) Science and Religion: Some historical Perspectives.
2. S. Barring-Gould (1882) The Origin and Development of Religious Belief.
3. Roger Penrose (2005) The Road to Reality.