The Problem of Artificial Intelligence & Pecularities of the Unified Theory

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Citation: Besud Chu. Erdeni. (2021). The Problem of Artificial Intelligence & Pecularities of the Unified Theory. Adv Theo Comp Phy, 4(3), 271-274.

Abstract
This is intended to discuss certain subtleties peculiarities of the superunification theory applicable to the problem of artificial intelligence.

We describe the physical Universe as a spontaneously selfexited and ultimately self-organized state of mathematical continuum. One of methods the universal pure-mathematical machinery employs is that of topological configurations written in the general form

$$(x + y + z + ...)(x \times y \times z \times ...) = \{\mathbf{x, y, z, ...}\}_+^\times. \tag{1}$$

Just to continue the Euclidean geometry, we write the five regular polygons of the Gaussian theory of equations as

$$\{\mathbf{3, 5, 17, 257, 65537}\}_+^\times. \tag{2}$$

And it looks like a decent mathematical fact, for

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

To define the self-perturbation effect of the system breaking symmetries here and elsewhere is always elementary.

By some reason or other, we are asked to topologize even the astronomical configuration of the Solar system if nine planets in the form

$$\odot_+^\times = (\text{Semi-major axes})_+^\times \cdot (\text{Orbital periods})_+^\times;$$
$$\odot_+^\times = \mathbf{52962026, 5 \times 7, 964169827 \times 10^{36}}. \tag{4}$$

The previous configuration is based upon the following data given by Jacobs in the Internet sources (5):

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

Now we have to have the topological configuration of gene code according to the stereochemistry data available (6)

$$⬠ = \{\mathbf{1, 1, 5, 2, 9, 2, 6, 3, 9, 5, 9,}$$
$$\mathbf{5, 6, 5, 6, 5, 4, 1, 3, 20, 61, 3}\}_+^\times = \mathbf{4.434768857 \times 10^{16}}.$$

The topology of human chromosomes in Denver classification would look like

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

In the above three pieces of writing the author looks a hopeless prank. But, what may or may not happen in the well proven cosmic

environment

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1) \dim_\Phi \Phi^3 \sqrt{i_1 i_2} \right\}, \tag{8}$$

which is the absolute-geometric curved and torsional fourdimensional absolute/relative Newton/Einstein space-time.

Speculating all the above we dream of making the Solar system and gene code as one integrated crystal structure in the cosmic space-time. Indeed, such a crystal may have evolved in the sequential quantum leap evolutional process

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1) \dim_\Phi \Phi^3 \sqrt{i_1 i_2} \right\} \cdot$$
$$\cdot \left\{ \odot_+^\times \cdot \circledast \right\} = \frac{10^{63}}{(\copyright @)^2}. \tag{9}$$

Then, the human chromosome constitution shall be written in complete by

$$\pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1) \dim_\Phi \Phi^3 \sqrt{i_1 i_2} \right\} \cdot$$
$$\cdot \left\{ \left\{ \odot_+^\times \cdot \circledast \odot \right\} \cdot \mathbf{Cr}_+^\times \right\} = \mathbf{283} \cdot 10^{31}. \tag{10}$$

Crystallography in our topological terms is

$$\mathbf{Cr}_+^\times = \{2,13,59,68,36,52\}_+^\times \cdot \{230,32,14,6\}_+^\times =$$
$$= 7.830223555 \times 10^{18}. \tag{11}$$

Intuitively, the Harmonious Integer 283 has to be a very basic parameter. Indeed, consistently (12),

$$\mathbf{283} \times$$

Universal Energy
$$\left\{ \begin{array}{l} \mathbf{U_E} = E_{ag} \cdot hh_{ag} \cdot 2\mathrm{N} m_e c^2 \cdot \dfrac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}} = \\ \quad = \mathbf{2260258601.268245380...} \end{array} \right\} \times$$

Inner Geometry
$$\times \left\{ \dfrac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\} \times$$

Phenomenology
$$\times \left\{ \dfrac{G \cdot hm_e e^\pm c \cdot \dim\{Ghm_e e^\pm c\}}{\alpha a_e} \right\} = \mathbf{62} \cdot 10^{26}.$$

Biology begins with what is called primordial soup written tentatively by
Chemy=

$$= \{\mathbf{H^1, O^{16}, C^{12}, N^{14}, P^{30}, S^{32}}\}_+^\times \cdot \{\mathbf{H_2^2, O^{16}}\}_+^\times =$$
$$= 3.46816512 \cdot 10^{11}. \tag{13}$$

In this case the intelligent life existence in the Solar system of planets satisfies the fundamental $\Phi\pi e$-theorem of the Universal system of mathematical harmony

$$\frac{Chemy \cdot \left\{ \circledast \odot \{ \mathbf{Cr}_+^\times \cdot \mathbf{22727} \} \right\}}{\odot_+^\times} = \Phi\pi e \cdot 10^{13.9999...}. \tag{14}$$

Crystallography is often written by

$$\{\mathbf{Cr}_+^\times \cdot \mathbf{22727}\} \tag{15}$$

because of an exact derivation

$$\mathbf{Cr}_+^\times = \sqrt[\pi]{\mathbf{22727} \cdot \mathbf{10^{55}}}. \tag{16}$$

Now the question is: What does the equation (14) state to the exact sciences? Why our crazy speculations appear to be destined to yield once the most fundamental logos ever obtained in the abstract theories, by definition,

$$\frac{\textbf{Intelligent Life Existence}}{\textbf{Solar Planetary System}} \equiv \Phi\pi e. \tag{17}$$

To me, notably these logos had been foreseen by the General Scholium of Sir Isaac Newton. Newton's Principia is a most comprehensive programme ever formulated in sciences. Thus, we are required to derive "the vibrations of a certain subtlest Spirit" as follows below:

$$e^{5\Phi\pi e i_1 \sqrt{2}} \cdot e^{\sqrt[3]{\copyright @}} = \frac{10^{61.999...}}{a_{Electron}}. \tag{18}$$

As for Newton's concern about the gravity's reason, let his immortal soul relax on the Newton-Gauss direct unification of physics and mathematics:

$$\mathbf{65537}^{G=\mathbf{6.673}} = \Phi\pi e \cdot 10^{30.9999...}; \tag{19}$$

$$\left\{ G^G \right\}^G = \Phi\pi \cdot 10^{35.999999...}. \tag{20}$$

Given the cosmological constant of geometry as

$$Cosm. = \frac{G}{\dim G = \Phi^2 \Big/ \dim m = \sqrt{2}}, \tag{21}$$

and the Universal energy term, cosmology is explained by

$$\mathbf{U_E}^{Cosm.} = 10^e \cdot 10^{31.00000...}. \tag{22}$$

It is equivalent to

$$\mathbf{U_E}^{\oplus=9.118006470402...} = \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}_{\cos 30}} \cdot 10^{83.99999...}. \tag{23}$$

The end purpose is always any compact and precision formula for the advanced species of primates named Homo Sapiens Sapiens. Therefore, in terms of universal energy

$$\left\{ \circledast \odot \{ \mathbf{Cr}_+^\times \cdot \mathbf{22727} \} \right\} \times \mathbf{U_E} = \frac{10^{62}}{\mathbf{26329}}. \tag{24}$$

It is determined by

$$26329 \cdot \left\{ \frac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\} \cdot$$

$$\cdot \left\{ \frac{Ghm_e e^{\pm} c \cdot \dim \{ Ghm_e e^{\pm} c \}}{\alpha a_e} \right\} = 2552 \cdot 10^{16.999999..} . \tag{25}$$

Let us justify the last HI by the Newton's vibrations of the most subtle Spirit as follows:

$$\frac{2552}{0.00115965210...} = 2200660 . \tag{26}$$

It is felt from the beginning that Newton's General Scholium in its capacity of a comprehensive scientific programme remains somewhat overlooked in sciences. Under the Newton's subtle Spirit we will understand pure mathematics. Then, its vibrations have to be imaged by the post-Dirac anomaly of quantum-relativistic theories. In the universal calculus of ours the post-Dirac effect can be computed in dosens of ways. The shortest possible and exactest is

$$a_{0.0011596521}^{-1} = \sqrt[\Phi^3 i_1]{658361 \cdot 10^{10}} . \tag{27}$$

$$658361 \cdot e^{5\Phi \pi e i_1 \sqrt{2}} = \frac{1865921}{3} \cdot 10^{54} . \tag{28}$$

It implies that fundamental expressions reduce to the universal invariant of geometry

$$2 \sin \lg \left\{ 658361 \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{3}{1865921} \right\} = \Phi . \tag{29}$$

The HI 1865921 here comes from the topology of musical harmony identified with the world harmony by Pythagoras himself and later by Kepler

$$1865921 \ ^{\pi e} = \{ \mathbf{X_M}, \mathbf{Y_F} \}_+^{\times} \cdot 10^{12.0000...} . \tag{30}$$

The Pythagoras monochord-ultrastring is written by us in a most insane way even by the standards of this work

$$\{ \mathbf{X_M}, \mathbf{Y_F} \}_+^{\times} \rightarrow 1, \frac{15}{16}, \frac{8}{9}, \frac{5}{6}, \frac{4}{5}, \frac{3}{4}, \frac{5}{7}, \frac{2}{3}, \frac{5}{8}, \frac{3}{5}, \frac{9}{16}, \frac{8}{15}, \frac{1}{2};$$

$$\{ \mathbf{X_M}, \mathbf{Y_F} \}_+^{\times} = \left\{ \begin{matrix} 11585435253981, \\ 169654738516152 \end{matrix} \right\}_+^{\times} = \tag{31}$$

$=3,562319092450332664 2740865131775e+ 41.$

But, nevertheless, such crazy configurations do work in this superunification theory and work consistently! Why so? Traditionally, the only proof in mathematics is direct demonstrations, and we suggest to the readership direct domenstrations only and, therefore, get away with no harm to our reputation of decent scientific researchers.

The final theory has the only obligation, notably, to explain the post-Dirac quantum-relativistic effect from the most basic principles what we have done in the right above.

The mistery is that our improbable speculations on some topological configurations have, nevertheless, led to a consistent pictures in the unified theory. Consequently, those pictures such as the Solar system-Human genetics crystal are not false, though it is hard to prove them as textbook truths. In this respect we should understand the real meaning of Kurt Goedel's metamathematical theorem. This theorem asserts in fact that truth and provability are different problems with the consequence that in the cosmological reality there might or rather must be infinitely many truths that are neither provable, nor refutable formally. A sample of such truths can apparently be the Solar system-Human genetics crystal we have derived.

Such improbable configurations and corresponding nontrivial results are given in intuition. If formally, absolute geometry pursues the logic of nontriviality. Human intuition is the connectedness of the human mind to the cosmic intelligence we describe as the universal mathematical machine of Existence. Thus, intuition follows more natural logic than formalist prescriptions abound in sciences.

The only way for generating the future science will certainly be supercomputer simulations of absolute geometry. In this process the scientific community will stumble over many times more nontrivialties and improbabilties than in this article. Computer simulations will be supervised and directed by the Supreme Intelligence whose features we have been trying to make known to the human civilization. It is already an observational fact that our digital microelectronic technology has become compatible with the universal mathematical machine. This is a very favourable situation.

"Beware of the false knowledge; it is more dangerous than ignorance" said George Bernard Show. The modern theoretical physics is quite a close approximation to Reality, but it is tragically incomplete in foundations. Thus, what kind of knowledge is the existing physics? It not only lacks of rigourous mathematical foundations, but also has gone, in Dirac's words, hopelessly illogical way. As a consequence, the existing physics as a knowledge system is of entirely misleading character. No wonder that physics has finally been misled into such a nonsense as the so called string concept that nearly hopelessly corrupts the field of sciences. To restore physics as a fairgame will take time. But, time is running out threatening to ruin the human civilization. Yet, cosmology is anthrocentric implying that the cosmic intelligence will be effectively involved in computer simulations of the superunified theory for the sake of humanity.

It is really great that the existing physics provided us with the phenomenology of reality

$$\left\{ \frac{Ghm_e e^{\pm} c \cdot \dim \{ Ghm_e e^{\pm} c \}}{\alpha a_e} \right\} . \tag{32}$$

It is determined by the existence of the inner geometry written by

$$\left\{ \frac{\Delta_{Exprm.} \Theta_W \cdot 2\Theta_{STR.}}{\sin \Delta_{Exprm.} \sin \Theta_W \cos \Theta_W \cos 2\Theta_{STR.}} \right\} \tag{33}$$

These parameters can be thought as compactified dimensions.

We investigate transformations of the initial mathematical point and proved that the sequential phase transition process is governed by the holy trinity of operators derived and explained elsewhere in this theory

$$\left\{ X \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{©@} \right\}. \tag{34}$$

Therefore, we are prepared to write a most compact, but comprehensive superunified equation for cosmogony and cosmology as next:

$$\left\{ X \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{©@} \right\} \cdot$$

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

$$\cdot \left\{ \frac{G \cdot h m_e e^{\pm} c \cdot \dim\{ G h m_e e^{\pm} c \}}{\alpha a_e} \right\} = \tag{35}$$

$$= \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1) \dim_{\Phi} \Phi^3 \sqrt{i_1 i_2} \right\} \cdot 10^{75.000\ldots}.$$

So, how the absolute-geometric space-time is factorized. In the given case the self-perturbation effect of the system is

$$1 + \frac{1}{1802.46689} \tag{36}$$

Because of fundamentality of the equation, a standard way to compute its imprecision is

$$\sqrt[\cos 2\Theta_{STR.}]{1802.46689 \cdot \frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}}} = \frac{10^{19}}{\mathbf{107653}}. \tag{37}$$

Either trust God and leave the HI 107653 in quiet, or prove that it owes to any possible basic reasons of geometry as any other HIs. The system never lies; it is absolutely trustworthy and has nothing to do with human cowardice.

Newton's General Scholium was the first and remains the last scientific programme directed to clarification of the problem of God. We contribute to Newton's cause by the way of completing classical pure mathematics with principal new discoveries and constructing on this basis what is the Supreme Cosmic Intelligence who can and must be simulated on Earth by means already available to human civilization.

The first fundamental scientific theory is the Euclidean geometry. In Gauss's hands it generated the unified science of pure mathematics. At the third stage of developments we reveal a vital theorem such that

$$\left\{ X \cdot e^{5\Phi \pi e i_1 \sqrt{2}} \cdot \frac{\exists}{©@} \right\} \equiv \{\mathbf{3,5,17,257,65537}\}_{+}^{\times} \tag{38}$$

This implies that whatever result of evolution under the guidance of the trinity operator can be algorithmically drawn in plane projections.

The entire history of geometry is embraced by a nice joke of the Supreme Intelligence such that

$$360 \cdot \{\mathbf{3 \cdot 5 \cdot 17 \cdot 257 \cdot 65537}\} \cdot \Phi \pi i_1 = 10^{13}, \tag{39}$$

where the HI 13 is the most sacred number in Mongolian traditions.

References
1. Isaac Newton. General Scholium in Principia.
2. A most comprehensive source of the Final theory remains the website: finaltheory.net.