ISSN: 2639-0108

Short Communication

Advances in Theoretical & Computational Physics

The Holy Trinity of Geometry: Beauty, Virtue & Truth

Besud Chu. Erdeni

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

*Corresponding author

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

Submitted: 08 July 2021; **Accepted:** 16 Aug 2021; **Published:** 21 Aug 2021

Citation: *Besud Chu. Erdeni. (2021). The Holy Trinity of Geometry: Beauty, Virtue & Truth. Adv Theo Comp Phy, 4(3), 250-252.*

The virtue of absolute geometry is its accessibility to the ordinary human mind coupled with certain degree of intuition which is kind of connectedness of the human brain to the universal logico-mathematical machinery. In the end all the problem of existence reduces to the elementary operations within the continuum of natural numbers. Nontriviality and consistence of the system make the beauty of geometry. Geometry's last truths prove to be written in beautiful and mnemonical aphorisms.

In terms of external geometry space-time is quantized in the form

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

The inner geometry of the nonlocal point-singularity, or else, compactified dimensions is embraced by a configuration such that

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

This is neither a brave hypothesis, nor crazy speculation, but the result of years long lasting numeric experimentations which are more reliable and productive than, say, those conducted by the CERN collider. Then, the question is: Which way the external and internal geometries relate to each other?

It is easy to foresee something like (3)

$$\sqrt{\dim_\Phi \Phi^3 i_1\cdot(3+1)}\left\{\frac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cdot\cos 2\Theta_{STR.}}\right\}^{\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}}= \frac{\mathbf{2272538600}}{3}. \tag{3}$$

The HI on the right side is by no means accidental, for

$$e^{5\Phi\pi e i_1\sqrt{2}}\cdot\mathbf{2272538600}=\frac{10^{68.0000000...}}{\mathbf{46578}}. \tag{4}$$

All the more, geometry displays its glory and consistence in the form

$$\left\{\boldsymbol{X}\cdot e^{5\Phi\pi e i_1\sqrt{2}}\right\}\cdot\mathbf{2272538600}=\frac{10^{68.999...}}{\cos 2\Theta_{STR.}}. \tag{5}$$

This kind of aphorisms and mnemonics show that the probability of us being wrong does definitely tend to zero.

As time passes, we achieve fluency in working with geometry. So, we are free to compose a concise in form, but comprehensible in scope trinity of principle configurations:

$$\left\{\begin{array}{l}\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\text{Spin}}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot\\ \cdot\frac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\cdot\\ \cdot\frac{Ghm_e e^{\pm}c\cdot\dim\left\{Ghm_e e^{\pm}c\right\}}{\alpha a_e}\end{array}\right\} \tag{6}$$

The values of experimental constants are

$$\begin{array}{l}\left\{c_{Maxwell}=2.99792458\right\}\cdot\\ \cdot\left\{G_{Newton}=6.673\right\}\cdot\\ \cdot\left\{h_{Planck}=6.62606876\right\}\cdot\\ \cdot\left\{m_{electron}=9.10938188\right\}\cdot\\ \cdot\left\{e^{\pm}_{Coulomb}=1.602176462\right\}\end{array}\cdot\frac{\dim(Ghm_e e^{\pm}c)}{\alpha a_e} \tag{7}$$

Each of them is theoretically derivable in geometry. And, the following brilliance derives the phenomenology of modern physics as a whole (8):

$$\frac{e^{5\Phi\pi e i_1\sqrt{2}}}{\left\{\begin{array}{l}\pi\dfrac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot\\ \cdot\dfrac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\cdot\\ \cdot\dfrac{Ghm_e e^{\pm}c\cdot\dim\left\{Ghm_e e^{\pm}c\right\}}{\alpha a_e}\end{array}\right\}}=\mathbf{356}\cdot 10^{32.999999...}$$

It approximates about 22 fundamental constants in one go. Consequently, the HI 356 should be something remarkable even in the absolute geometry. Indeed,

$$\sqrt[\cos 2\Theta_{STR.}]{\mathbf{356}\cdot\frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}}}=\frac{10^{13.9999...}}{2\Theta_{STR.}}. \tag{9}$$

Yet, the system of universal harmony is an endless game. Approximate

$$\{\mathbf{3,5,6}\}^{\times}_{+}\equiv\frac{\{\mathbf{X_M,Y_F}\}^{\times}_{+}=\left\{\begin{array}{l}\mathbf{11585435253981,}\\ \mathbf{169654738516152}\end{array}\right\}^{\times}_{+}}{\left\{\boldsymbol{X}\cdot e^{5\Phi\pi e i_1\sqrt{2}}\cdot\frac{\exists}{©@}\right\}}. \tag{9}$$

One may consider also (10)

$$\left\{\boldsymbol{X}\cdot e^{5\Phi\pi e i_1\sqrt{2}}\cdot\frac{\exists}{©@}\right\}\cdot\left\{\begin{array}{l}\pi\dfrac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{(3+1)\dim_\Phi\Phi^3\sqrt{i_1 i_2}\right\}\cdot\\ \cdot\dfrac{\Delta_{Exprm.}\Theta_W\cdot 2\Theta_{STR.}}{\sin\Delta_{Exprm.}\sin\Theta_W\cos\Theta_W\cos 2\Theta_{STR.}}\cdot\\ \cdot\dfrac{Ghm_e e^{\pm}c\cdot\dim\left\{Ghm_e e^{\pm}c\right\}}{\alpha a_e}\end{array}\right\}=\mathbf{75}\cdot 10^{78.00000...}.$$

Solutions to some partial problems are:

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{\dim_\Phi\Phi^3 i_1\cdot(3+1)\right\}\cdot\\ \cdot\left\{G\dim G\cdot h\dim h\right\}=\sqrt[\Phi\pi e]{\mathbf{33419}\cdot 10^{62}}. \tag{11}$$

Whence, theoretically

G= 6.673;
h= 6.626068758. (12)

$$\frac{e^{5\Phi\pi e i_1\sqrt{2}}}{\mathbf{33419}}=\left\{\mathbf{3,5,17,25,6553}\right\}^{\times}_{+}\cdot 10^{35.00000...}; \tag{13}$$

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{\dim_\Phi\Phi^3 i_1\cdot(3+1)\right\}\cdot\\ \cdot\left\{Nm_e\dim m\right\}=\sqrt[\Phi]{\mathbf{1050597}\cdot 10^{4.999999999...}}. \tag{14}$$

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{\dim_\Phi\Phi^3 i_1\cdot(3+1)\right\}\cdot\\ \cdot\left\{ci_1\cdot e^{\pm}\dim e^{\pm}\right\}=\sqrt[\Phi\pi e]{\cos\Theta_W\cdot 10^{50.999...}}. \tag{15}$$

$$\pi\frac{\Phi^3\sqrt{i_1 i_2}}{\mathrm{Spin}}\left\{\dim_\Phi\Phi^3 i_1\cdot(3+1)\right\}\cdot\\ \cdot\left\langle\frac{Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)}{\alpha a_e}\right\rangle=\frac{e^{\Phi\pi}\cdot 10^{11.0000...}}{\Phi\pi e}. \tag{16}$$

Despite this embarrassment of the riche, my dream formula is that for the electron

$$\left\{\begin{array}{l}\left\{\Phi\cdot(90\times 137.035999...)\cdot i_1\right\}\cdot\\ \cdot Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)\end{array}\right\}=\sqrt[\pi]{\mathbf{142736}\cdot 10^{23}}; \tag{17}$$

$$\mathbf{142736}\cdot\left\{\mathbf{3,5,17,257,65537}\right\}^{\times}_{+}\times\frac{3}{\mathbf{7434925}}=10^{26}. \tag{18}$$

Interpret

$$\left\{\begin{array}{l}\left\{\Phi\cdot(90\times 137.035999...)\cdot i_1\right\}\cdot\\ \cdot\dfrac{Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)}{\alpha a_e}\end{array}\right\}\cdot\Phi\pi e=\frac{10^{17.0000...}}{2\Theta_{STR.}}. \tag{19}$$

The algorithmically constructible electron will be

$$\left\{\begin{array}{l}\dfrac{\left\{\Phi\cdot(90\times 137.035999...)\cdot i_1\right\}}{\mathrm{Spin}_{\cos 30}}\cdot\\ \cdot\dfrac{Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)}{\alpha a_e}\end{array}\right\}\cdot\mathbf{U_E}=\\ =\left\{\mathbf{3,5,17,257,65537}\right\}^{\times}_{+}\cdot 10^{8.9999...}. \tag{20}$$

It is easy now to derive the full-blown electroweak electron

$$\left\{\begin{array}{c}\dfrac{\{\Phi\cdot(90\times137.035999...)\cdot i_1\}}{\mathrm{Spin}_{\cos 30}}\cdot\\ \cdot\dfrac{Ghm_e e^{\pm}c\cdot\dim(Ghm_e e^{\pm}c)}{\alpha a_e}\end{array}\right\}\cdot \tag{21}$$
$$\cdot\frac{\Theta_W}{\sin\Theta_W\cos\Theta_W}\times\left\{\boldsymbol{X}\cdot e^{5\Phi\pi e i_1\sqrt{2}}\cdot\frac{\exists}{©@}\right\}=\frac{10^{90.0000000...}}{\mathbf{1886}}.$$

Of course, it comes from Nothing through the universal system of mathematical transformations

$$\mathbf{1886}=\sqrt[\Phi\pi e i_1\sqrt{2}]{\frac{10^{88.0000...}}{\exp\exp e}}. \tag{22}$$

Finally, we are prompted to write also a universal electroweak and strong particle in such an incredible form as

$$...\times\frac{2\Theta_{STR.}}{\cos 2\Theta_{STR.}}=\sqrt[\Phi]{\frac{10^{45.0000...}}{\pi}}. \tag{23}$$

In the above we have seen the possible fundamentality of the HI 356. So, yet again

$$\mathbf{356}\times5\Phi\pi e i_1\sqrt{2}=\frac{10^{14.0000...}}{\mathbf{U_E}}. \tag{25}$$

Provided that we guess right, it has to have immediate connections to biology, indeed, the gene code is given by

$$\mathbf{356.0000...}\cdot🕸=\frac{\mathbf{14209}}{9}\cdot10^{16}. \tag{26}$$

And it defines the human chromosome structure

$$\mathbf{14209}\cdot\left\{😑\cdot\left\{\mathbf{Cr}_{+}^{\times}\cdot\mathbf{22727}\right\}\right\}=\Phi^3 i_1\cdot10^{34.999...}. \tag{27}$$

References

1. A systematical rendition of the unified field theory sees in WWW. finaltheory.net.
2. Besud Chu Erdeni. (2021). Superunification: Pure Mathematics & Theoretical Physics. Adv Theo Comp Phy 4: 1-5.
3. G. J. Whitrow. (1964). The Natural Philosophy of Time. Russian translation. Moscow.