

The Electron and Aesthetics of Mathematics

Besud Chu Erdeni

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

***Corresponding author**

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

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The absolute-geometric space-time is an algorithmic bifurcation in geometry and algebra such that

$$Space \Phi \Leftrightarrow \left\{ i_1 = \sqrt{\Phi} \right\}^{Time} \tag{1}$$

First, we shall construct radiation and matter. There are two ways of inter crossing of space and time vectors:

A. The intersection angle is straight

$$\Phi \perp i_1, \tag{2}$$

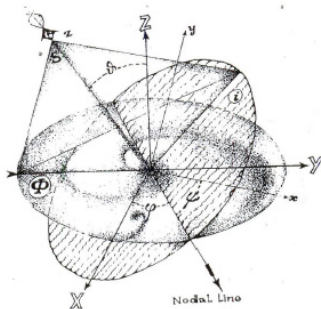
which case is observed as electromagnetic waves.

B. The two vectors intercross to form the following structure

$$\Phi \Delta_{Exprm.} i_1 = \frac{\Phi i_1}{\alpha_{Sommerfeld}}, \tag{3}$$

which is the general model for fermion (spinor) particles.

In both cases we have nonlocal point-singularity. Consider a (sub) quantum gyroscope. (Figure 1)



The way this structure exists is the perpetual bifurcation oscillations written as

$$\Phi(90 \Leftrightarrow \Delta_{137.035999...}) i_1. \tag{4}$$

The quantum gyroscope translates and revolves because of spontaneous bifurcations. It is somewhat calculable by methods of classical analytical mechanics. Calculations show that

$$\dim m = \sqrt{2}, \tag{5}$$

for the theoretical mass of our gyroscope is such.

Otherwise, it is impossible to guess what is the absolute dimension of mass. Our practical experience in the unified theory proved that Pythagoras constant is there really working.

We are now prompted to put

$$(\Phi \perp i_1)(\Phi \Delta_{Exprm.} i_1) = \mathbf{R}_{radiation} \mathbf{M}_{matter}. \tag{6}$$

Then, consistently enough with respect to the methods of harmonious integers and of the ultra-operator of geometry

$$\{ \mathbf{R}_{radiation} \mathbf{M}_{matter} \} \cdot e^{5\Phi\pi i_1 e\sqrt{2}} = \frac{44421223}{9} \cdot 10^{52}; \tag{7}$$

$$\frac{e^{5\Phi\pi i_1 e\sqrt{2}}}{\{ \mathbf{R}_{radiation} \mathbf{M}_{matter} \}} = \frac{10^{55}}{553009}. \tag{8}$$

In the universal system of mathematical harmony everything can be derived in many equivalent ways, for example,

$$\{ \mathbf{R}_{radiation} \mathbf{M}_{matter} \}^{\Phi\pi e} = \frac{10^{68.9999...}}{e^{\Phi\pi i_1}}. \tag{9}$$

But, most consistently (10)

$$\{ \mathbf{R}_{radiation} \mathbf{M}_{matter} \} \cdot \{ \mathbf{D}\{2\}_+^x \cdot \mathbf{D}\{3\}_+^x \cdot \mathbf{D}\{4\}_+^x \} \cdot \mathbf{InG}_+^x = 360 \cdot 10^{93}, \tag{10}$$

where the configuration of internal geometry of singularity is (11)

$$\mathbf{InG}_+^x = \{ \Delta_1, \nabla, \Theta_W, \Theta_{STR.}, ArgZ_1, ArgZ_2 \}_+^x = 27417955234218.63449606190... \tag{11}$$

Therefore, the absolute-geometric fundamental logos of the radiation-matter problem would look as impressive as (12)

$$\begin{aligned} & \text{External geometry} \left\{ \left\{ \mathbf{R}_{\text{radiation}} \mathbf{M}_{\text{matter}} \right\} \cdot \right. \\ & \left. \cdot \left\{ \mathbf{D}\{2\}_+^{\times} \cdot \mathbf{D}\{3\}_+^{\times} \cdot \mathbf{D}\{4\}_+^{\times} \right\} \right\}^{\times} \\ & \times \text{Internal geometry} \mathbf{InG}_+^{\times} \equiv 360. \end{aligned} \quad (12)$$

Consequently, the physical Universe is merely kind of factorization of the Euclidean unit circle.

The primary phenomenon is electromagnetic waves. Thus, it is foreseeable that

$$X(\Phi \perp i_1) = 219578690, \quad (13)$$

because of the fundamental theorem of mathematical harmony

$$X^{\Phi \pi e} X = 10^{90} \quad (14)$$

The precision of electromagnetism is such that Insert Equ (15)

$$\left\{ \frac{219578690}{\Phi \perp i_1} \right\}^{\Phi \pi e + 1} = 10^{90.000000000...} \quad (15)$$

Explicitly demonstrable aesthetics is the divine revelation of hidden truth. The fundamental formulae and equations of the super theory cannot be other than aphoristic and mnemonic. Indeed, the gravi-electromagnetic electron is (16)

$$\left\{ \begin{aligned} & \left\{ \Phi \cdot (90 \times 137.035999...) \cdot i_1 \right\} \cdot \\ & \cdot Ghm_e e^{\pm} c \cdot \dim(Ghm_e e^{\pm} c) \end{aligned} \right\} = \sqrt[3]{142736 \cdot 10^{23}} \quad (16)$$

The experimental values of the five bare numeric fundamental physical constants should comply with this equation and they do, indeed, comply with.

As for the integer on the right, it comes from the system of universal harmony

$$\frac{142736 \cdot X}{9.999...} = \pi \Phi^3 i_1. \quad (17)$$

Of the same form is the gravi-electroweak electron (18)

$$\left\{ \begin{aligned} & \left\{ \Phi \cdot (90 \times 137.035999...) \cdot i_1 \right\} \cdot \\ & \cdot Ghm_e e^{\pm} c \cdot \dim(Ghm_e e^{\pm} c) \end{aligned} \right\} \frac{\Theta_W}{\sin \Delta_{\text{Exprm}}} = \sqrt[3]{\frac{10^{37}}{7043}} \quad (18)$$

Generally, we study what is what in the universal mathematical language of Nature. For example, (19),]

$$\text{Fermion} = \frac{\Phi \pi}{4} = F; \text{Boson} = 10 \left\{ \frac{\Phi \pi}{4} - 1 \right\} = B. \quad (19)$$

The Final theory is an experimental science. We do simply compute anything occurring to our mind and see what happens there. It is like browsing around a wild field and look for a piece of gold money once dropped by some unconscious silk road traders. In calculations something occurs constantly by some reason or other.

Those occurrences favoured by God need to be interpreted.

The entire phenomenology provided by the modern physics can be configured as below (20):

$$\begin{aligned} & \cdot \{c_{\text{Maxwell}} = 2.99792458\} \cdot \\ & \cdot \{G_{\text{Newton}} = 6.673\} \cdot \\ & \cdot \{h_{\text{Planck}} = 6.62606876\} \cdot \\ & \cdot \{m_{\text{electron}} = 9.10938188\} \cdot \\ & \cdot \left\{ e_{\text{Coulomb}}^{\pm} = 1.602176462 \right\} \cdot \frac{\dim(Ghm_e e^{\pm} c)}{\alpha \alpha_e} = \Gamma. \end{aligned} \quad (20)$$

It is derivable by a standard procedure of the absolute system

$$\sqrt[3]{\Gamma^{2\Phi \pi i_1}} \cdot \frac{46189}{3} = 10^{50} \quad (21)$$

The integer on the right will certainly be very special, indeed, Insert Equ (22)

$$46189 \cdot \left\{ X \cdot \frac{\exists}{\odot @} \right\} = \Phi \pi e \cdot 10^{11.00000...} \quad (22)$$

We observe fermions and bosons thanks to

$$\Gamma \cdot FB = \frac{10^{10.0000...}}{\sin \Delta_{\text{Exprm}}}$$

Elementary particles are functions of inner geometry of point-singularity. The most workable form of inner geometry is given by the system subject to

$$\begin{aligned} & \left\{ \frac{\Delta_{\text{Exprm}} \cdot \Theta_W \cdot 2\Theta_{\text{STR}}}{\sin \Delta_{\text{Exprm}} \cdot \sin \Theta_W \cos \Theta_W \cos 2\Theta_{\text{STR}}} \right\}^{\Phi \pi e} = \\ & = \sin \Delta_{\text{Exprm}} \cdot 10^{87.999...} \end{aligned} \quad (23)$$

Therefore, a super unified equation for the physical phenomenology will in briefest be (25)

$$\begin{aligned} & \left\{ \Gamma \cdot FB \right\} \cdot \\ & \cdot \left\{ \pi \frac{\Phi^3 \sqrt{i_1 i_2}}{\text{Spin}} \left\{ (3+1) \dim_{\Phi} \Phi^3 \sqrt{i_1 i_2} \right\} \right\} \end{aligned} \quad (24)$$

$$\left\{ \frac{\Delta_{\text{Exprm}} \cdot \Theta_W \cdot 2\Theta_{\text{STR}}}{\sin \Delta_{\text{Exprm}} \cdot \sin \Theta_W \cos \Theta_W \cos 2\Theta_{\text{STR}}} \right\} = \frac{10^{22.000000...}}{1095} \quad (25)$$

The last recourse of geometry in making things is always the Strong-Theta parameter

$$\cos 2\Theta_{\text{STR}} \sqrt{\frac{1095}{\cos 2\Theta_{\text{STR}}}} = 589\,485\,790 \quad (26)$$

In mathematics there are real and imaginary sections which case leads to a strange bifurcation such that

$$\cos 2\Theta_{STR} \Leftrightarrow \cos i ; \quad (27) \quad \text{et cetera.}$$

$$10 \cos^2 2\Theta_{STR} = \cos i \left\{ 1 - \frac{1}{599724.9489} \right\}. \quad (28)$$

It is crucial to understand the very logic of spontaneity. The sole mechanism of spontaneity is bifurcation. Bifurcations break symmetries. Symmetry violations have to be duly compensated; otherwise, the system collapses. The Existence, that is the physical Universe, compensates all the broken mathematical symmetries. In this term the unified field theory is a gauge theory. See that

$$599724.9489 \times 5\Phi \pi e i_1 \sqrt{1.999999999...} = \frac{149070919}{2}. \quad (29)$$

And

$$e^{\sin i \cos i \cdot 5\Phi \pi e i_1 \sqrt{2}} \cdot 149070919 = 1132 \cdot 10^{103.000000...} \quad (30)$$

Now there is a new game in the town. The so called superstring concept (as it is formulated and advertised by Edward Witten through the Internet) sounds neither physical, nor mathematical. Despite that its awkwardness is seen from the beginning, physicists developed on it a Mont-Blanc of fictional literature leading theoretical physics into a dead end street where there is never safe exit from.

Mathematics reveals to us its aesthetical criteria through

$$\mathbf{REALITY} = \sqrt[3]{\mathbf{Harmonious Integer}} .$$

References

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