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# Connotation Hypostatization of Homogenous Cosmos Originated from Unique Genesis — Precondition Initialization of Positive & Negative Transmutation Dynamics

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### Abstract

Since any discretionary two particles in cosmos are mutually convertible for they ultimately possess the common component in certain configurable hierarchy, the entire cosmos must be a grand coherent homogeneity system originated from the common extremity genesis through and through,—cosmos is throughout homogenous originated from unique genesis. With the innovative idea in mind, I substitute hypostatic cosmic endosome of spacetime and matter into cosmic homogeneity system under presumable precondition that cosmos entirely consists of spacetime and matter, none coordinate component else, and two logic extensions of “Homogenous cosmos originated from unique genesis postulate” are deduced thereby. Further hypostatization of the two logic extensions of Homogenous cosmos originated from unique genesis postulate not only makes the homology notion series of space, space distance, time, time dynamic speed and space radiation cornu defined accordingly at the volley but also makes the lineal homologic filiation between spacetime and matter—PNT (Positive & Negative Transmutation) action self-evident.

## 1. Introduction

History proceeding to today, favorable progress of modern particle physics has thrown more and more light onto factuality that “any discretionary two particles in cosmos are mutually convertible for they ultimately possess the common component in certain configurable hierarchy”. Such factuality seems self-evidently leading to conclusion that cosmos must possess common extremity component in cosmic terminal configurable hierarchy, and viewing throughout succession of configurable components along general extension from macrocosm to microcosmos ultimately towards so-called “common extremity compositive component”, it even seems cosmos is throughout homogenous originated from the so-called “common extremity component—unique genesis”, entire cosmos is an out-and-out homogeneity system which originally comes into being along cosmic original demiurgic evolution of sequential homologic multiplication starting at the so-called “common extremity component—unique genesis” to cosmic status quo.

So remarkable highlight of the factuality of course necessitates coming science to face two grand scientific issues:

The first: whether cosmos is throughout homogenous originated from unique genesis really.

The second: if cosmos is really homogenous originated from unique genesis through and through, what integrative homologic configuration of cosmos and proportional universal existence & motion of matter should be.

Although, favorable progress of modern particle physics has thrown more and more light onto factuality that “any discretionary two particles in cosmos are mutually convertible, our harvest is still inadequate to support positive conclusion that cosmos is really homogenous originated from unique genesis through and through. However, in order to study universal existence & motion of homogenous cosmos further, it seems wise for us to introduce idea of Homogenous cosmos originated from unique genesis as presumable postulate according to newly highlighted favorable factuality of “any discretionary two particles in cosmos are mutually convertible for they ultimately possess the common component in certain configurable hierarchy” before substantial demonstration, so that we can expediently come to challenge the second issue if cosmos is really homogenous originated from unique genesis through and through, what integrative homologic configuration of cosmos and proportional universal existence & motion of matter should be.

Since entire cosmic contents exactly exist in a cosmic-scale homogeneity system and both “spacetime” and “matter” are undoubtedly hypostatic endosome of cosmos, in cosmic homogeneity system, spacetime and matter must be coordinate homologies coequally physical in cosmos. Thus, we arrive at the logic extension 1 of Homogenous cosmos originated from unique genesis postulate. And at the same time, entire cosmos seems integration fully and exactly embodied by hypostatic coexistence of spacetime and matter, nothing else, if such situation is true, in cosmic homogeneity system along cosmic demiurgic evolution of sequential homologic multiplication, spacetime and matter must be lineal filiation. Thus, we arrive at the logic extension 2 of Homogenous cosmos originated from unique genesis postulate.

Subsequently, Homogenous Cosmos Originated from Unique Genesis introduced subsection of “spacetime homology hypostatization in cosmic homogeneity system as coordinate of matter” to hypostatize connotation of logic extension 1 of Homogenous cosmos originated from unique genesis postulate and introduced subsection of “homologic generation of matter in homogenous cosmos” to hypostatize connotation of logic extension 2 of Homogenous cosmos originated from unique genesis postulate so as to make the logic connotation of Homogenous cosmos originated from unique genesis postulate frondose and substantial as job to have “rice” cooked with necessary water in for nice “meal”.

## 2. Homogenous Cosmos Originated from Unique Genesis Postulate

### 2.1. Newly Highlighted Factuality of “Any Discretionary Two Particles in Cosmos are Mutually Convertible” Causes Naissance of Idea of Homogenous Cosmos Originated from Unique Genesis

In the recent 100 years, as remarkable progress of modern particles physics, we’ve found more and more colorful particles in cosmos, we see any discretionary 2 particles selected from particle/object aggregation of  $\{A_1, A_2, A_3, \dots, A_n (n \in \mathbb{N})\}$  are mutually convertible. (Which means any discretionary  $C_n^2$  option of the particle/object aggregation is mutually convertible). The cause is that the discretionary 2 particles/objects selected from the particle/object aggregation always possess the common compositive components in certain configurable hierarchy.

Such factuality can lead us to approach such deduction, if the magnitude of  $n (n \in \mathbb{N})$  is big enough so that the object aggregation of  $\{A_1, A_2, A_3, \dots, A_n (n \in \mathbb{N})\}$  can represent the entire cosmic contents, and any discretionary 2 objects selected from the object aggregation are still mutually convertible, then the entire cosmic contents must possess the common extremity component in terminal configurable hierarchy, —the cosmos is entirely homogenous made up of the common extremity component in terminal configurable hierarchy.

And at the same time, since the entire cosmic contents possess the so-called “common extremity component” in their common terminal configurable hierarchy, the so-called “common extremity component” in cosmos must be unique, because there is no possibility for two or more different components to take the role of “common extremity component”. This of course implies the entire cosmic contents originated from the “common and unique extremity hylic progenitor /component”, any cosmic content is either he unique extremity hylic progenitor (or genic origin) itself or homologous compound radically originated from the common unique extremity hylic progenitor (or genic origin). It of course implies the entire cosmos is not only purely homogenous but also absolute homology aggregation systematically originated from unique genesis.

However, we have to admit, conclusion that any discretionary 2 particles/objects in cosmos are mutually convertible is still our experiential summary based on millions of but still inadequate positive facts history has already offered, and the rational situation is rather similar as a mathematical induction, —in human history, we have procured substantial facts which support, when  $n=1, 2, 3, \dots, k$ , all situations satisfy conclusion that any discretionary 2 objects in the particle /object aggregation  $\{A_1, A_2, A_3, \dots, A_k (k \in \mathbb{N})\}$  are mutually convertible, and as history continuously extending, we found more and more new particles in cosmos, the magnitude of  $k$  is proportionally increasing, all situations still satisfy the conclusion. Whereas, once we suppose

the magnitude of  $n$  is big enough so that the particle/object aggregation  $\{A_1, A_2, A_3 \dots A_n (n \in \mathbb{N})\}$  can be exactly equal to full cosmic contents, whether all situations still satisfy the conclusion?

We apparently lack of credible backup to draw our positive conclusion.

However, is cosmos really homogenous through and through? Since we still lack of credible backup to draw our positive conclusion, confronting challenge of the issue, should we flinch or not?

No matter on stand of active practice or rational necessity of exploration, we should not flinch upon our intuitive sense. After all, the positive key of the issue is all-important for us to look into the grand cosmological issue, what's more, history extends to today, all particles human have practically perceived are mutually convertible, none is exceptional, confronting challenge of the very issue, if we say "yes", we of course have substantial positive supports, if we say "no", none favorable supports are accessible instead.

If cosmos is really homogenous originated from unique genesis through and through, then, the thoroughpaced configuration of cosmos will be remarkably illuminated, —essentiality and inherent correlation of spacetime & matter, consequential existence & motion of matter in spacetime due to the proper essentiality and inherent correlation of spacetime & matter will immediately be self-evident followed a rational line of cosmic demiurgic evolution of sequential homologic multiplication starting at the so-called unique extremity progenitor component to cosmic status quo. At any rate, essentiality of matter usually come into being during the course of their original generation & formation and is kept with matter existing as idiographic objects under the proper generative conditions. The magic significance of ascertainment of the issue is rather similar as that we are looking for a very long string in terrible darkness, as our eyeshot is too dark, we are almost confused unknowing where to go and what to do, however, as an innovative and enterprising attempt (such as pioneering introduction of Homogenous cosmos originated from unique genesis postulate), one terminal of the long string in terrible darkness has suddenly been caught hold of by us, the rest job is but to go and gather all we need in passing with the string in hands.

Considering of the logic significance of the ascertainment of the very issue, in order not to intermit the active study pursuit of essentiality and correlation of spacetime & matter and universal existence & motion of matter in spacetime along this logic clue, it seems wise for us to ascertain it as presumable postulate in prior.

For necessity of straightforward study pursuit towards essentiality and correlation of spacetime & matter, universal existence & motion of matter in spacetime due to the proper essentiality and correlation of spacetime & matter, we introduce a presumable precondition of "*Homogenous cosmos originated from unique genesis postulate*" herein.

—On scientific exploration journey, prior introduction of expedient postulates is usually ready for pioneering endeavor to transcend temporal practice limitation for further

study pursuit, whose practical significance generally indwells, as intelligent and timely introduction of proper postulates, how much of our goal rational eyeshot has been swiftly illuminated and widely open thereby.

## 2.2. Homogenous Cosmos Originated from Unique Genesis Postulate

It is assumed that cosmos is throughout homogenous originated from unique genesis. In detailed word, entire cosmic contents are all congenitally coherent homologies consisting in an absolute homogeneity system which originally originated from unique genesis along cosmic demiurgic evolution of sequential homologic multiplication starting at so-called "unique genesis" to cosmic status quo through and through; cosmic contents are either the so-called "unique genesis (cosmic extremity genic component/cosmic genic origin)" itself or idiographic homologous compounds with distinctive homologic configurations in cosmic homogeneity system.

Homogenous cosmos originated from unique genesis postulate is just logic origin and full logic precondition of the whole monograph; it's also the basal logic fulcrum that traditionary sciences had gradually found for Homogenous Cosmos Originated from Unique Genesis by stochastically cumulative perception of serial microcosmic configuration of matter in the recent 100 years. The kernel of the basal logic fulcrum is that any discretionary two particles in cosmos are mutually convertible; inversely, if somebody can find such two objects (or such two particles) in cosmos, which can be fully proved there is absolutely no way for them to be converted each other, then, he either has radically negated the factuality cosmos is throughout homogenous originated from unique genesis or he has practically found tangible cosmos II already.

## 2.3. Logic Extension of Homogenous Cosmos Originated from Unique Genesis Postulate

Now, we try to primarily hypostatize and renovate homologic connotation of general cosmic endosome according to Homogenous cosmos originated from unique genesis postulate.

Upon our solid intuition, spacetime and matter are of course undoubted and hypostatic endosome of cosmos, since we confirm cosmos is throughout homogenous originated from unique genesis, comprehensive cosmic contents must be direct or indirect homologies in cosmic homogeneity system, this of course indicates that both spacetime and matter equally belong to category of homogeneity system as coordinate homologies, so that we can educe logic extension of Homogenous cosmos originated from unique genesis postulate as below:

Logic extension 1:

Since cosmos is throughout homogenous originated from unique genesis, as substantial components of cosmos, both "spacetime" and "matter" must be coequally originated from the common cosmic extremity genesis (/cosmic genic origin) as coordinate homologies along original cosmic demiurgic

evolution of sequential homologic multiplication, and “spacetime” must be coequally substantial and physical as matter in cosmos, unless we have tangible evidence to exclude spacetime out of category of cosmos.

Moreover, upon our solid intuition, besides spacetime and matter, it seems nothing else exists in cosmos, whereas, is it really true that cosmos exactly and completely consists of spacetime and matter, none else?

We are of course confident to draw our positive conclusion upon our solid intuition, but we are substantively difficult to prove it fully upon strict sense, leastways, besides spacetime and matter, nothing else we’ve found in cosmos indeed. In order to let truth pursuit avoid the pestilent rational obstacle for the moment, we introduce a auxiliary postulate——spacetime-matter fully embodying cosmos postulate, which postulates that cosmos is object fully and exactly embodied by hypostatic existence of both spacetime and matter, nothing else, so that we can educe further logic extension of Homogenous cosmos originated from unique genesis postulate as below:

Logic extension 2:

If cosmos is object fully and exactly embodied by hypostatic existence of both spacetime and matter, nothing else, along original cosmic demiurgic evolution of sequential homologic multiplication starting at the so-called common cosmic extremity genesis (/cosmic genic origin) to cosmic status quo, “spacetime” and “matter” must be lineal homologic filiation.

This is just the consequent two logic extensions of Homogenous cosmos originated from unique genesis postulate with substitution of hypostatic cosmic endosome of spacetime and matter.

### **3. Hypostatization of Two Logic Extensions of Homogenous Cosmos Originated from Unique Genesis Postulate — Coherent Coexistence of “Spacetime” & “Matter” Fully Embodying Cosmic Homogeneity System**

We now come to hypostatize the two logic extensions of Homogenous cosmos originated from unique genesis postulate so as to hypostatize coherent homology connotation of “spacetime” and “matter” in cosmic homogeneity system and make the homologic essentiality & filiation of spacetime and matter self-evident thereby.

#### **3.1. Hypostatization of Logic Extension 1 of Homogenous Cosmos Originated From Unique Genesis Postulate — Spacetime Homology Hypostatization as Coordinate of Matter in Cosmic Homogeneity System**

##### **3.1.1. Spacetime Genic Field Hypothesis**

In accordance with logic extension 1 of Homogenous

cosmos originated from unique genesis postulate, since it has been confirmed as postulate that cosmos is throughout homogenous originated from unique genesis, as hypostatic components of cosmos, “spacetime” and “matter” must be coordinative originated from the common cosmic extremity genesis as coordinate homologies along cosmic original demiurgic evolution of sequential homologic multiplication, and “spacetime” must be coequally substantial as matter in cosmos, unless we have tangible evidence to exclude spacetime out of category of cosmos. Here, for the necessity and expedience of further analysis, we hypostatize the “hylic essentiality” of homologic spacetime into substantial aggregation of compositive element of homologic genic unit series coexisting as field, (and as the hylic existence of homologic spacetime consisting of the proper compositive genic units is very similar as field, we call spacetime “space field” too.) and we just call it “spacetime genic field hypothesis”, which can be described as below:

It is hypothesized that space field consists of  $n+1$  sorts of elementary genic components/units essentially originated from cosmic extremity genic origin along cosmic original demiurgic evolution of sequential homologic multiplication. We just call these elementary genic components/units in space field “field genic units<sup>①</sup>”, and separately symbolize them as  $i_0, i_1, i_2, \dots, i_n$  ( $n \in \mathbb{N}$ ). And at the same time, we denote the relativistic configuration ratio<sup>②</sup> of each genic unit in space field as  $a, b, c, \dots, x$ , so that we can primarily denote the integrity component configuration of field genic units in space field as  $a*i_0, b*i_1, c*i_2, \dots, x*i_n$ . ( $n \in \mathbb{N}$ )

##### **3.1.2. Phantasmal Field Genic Unit Hypothesis**

Upon our common experience and solid intuition, any matter innately exists in dynamic and variable state, but never exists in stationary state; it even seems there is none reasonable way for any matter to exist in ideal stationary and invariable state. According as the homologic essentiality of hylic spacetime in cosmic homogeneity system, it seems necessary and wise for us to extensionally complement the dynamic essentiality of hylic spacetime as to consummate the physical existence of material space field, so we introduce Phantasmal field genic unit hypothesis to complement the dynamic essentiality of hylic spacetime as below:

It is hypothesized that all field genic units in space field

<sup>①</sup>Note: The Chinese name of “cosmic genic unit” is a little different from the English name. The Chinese name of cosmic genic unit is “jizhi” which is originally named for the field genic unit  $i_0$  derived from the word “extremity infinitesimal” and just the Chinese abbreviation of “extremity quantum”; it straightforwardly means the hylic hypostatization of the infinitesimal material unit in cosmos.

<sup>②</sup>Note: Of course, the  $n+1$  sorts of field genic units were not coming into being in a magic flash, there must be a substantial evolutionary process for them to come into being one after another, and at the same time, their coexisting configuration ratio in space field is proportionally variable in accordance with the proper prolific ambient conditions of space field. Yet, as historical limitation, it’s almost impossible for me to offer definite configuration ratio of various field genic units in space field. And indeed, as space genic field hypothesis, the indefinite number series indicating the indefinite configuration ratio of the field genic unit series in space field has been enough for further outspread of logic extension of Homogenous cosmos originated from unique genesis postulate already.

exist in state of everlasting mutual transmutation and transition, and the speed of mutual transmutation and transition among field genic units is transnormal, so that it's completely impossible for us to ascertain and perceive any definite presence of any separate field genic unit in space field, but only possible for us to perceive the holistic effect of their dynamic coexistence.

According as logic extension 1 of Homogenous cosmos originated from unique genesis postulate, spacetime homology hypostatization in cosmic homogeneity system as coordinate of matter not only introduced "spacetime genic field hypothesis" to hypostatize the hylic essentiality of material spacetime but also introduced "phantasmal field genic unit hypothesis" to extensionally complement the dynamic essentiality of material spacetime as to consummate physical existence of homologic spacetime in cosmic homogeneity system.

And as introduction of innovative idea of homogenous cosmos originated from unique genesis, hypostatization of logic extension 1 of Homogenous cosmos originated from unique genesis postulate has virtually materialized spacetime as homologic coordinate of matter in cosmic homogeneity system. In order to differentiate the hylic coordinate existence of homologic spacetime and matter in cosmic homogeneity system, we just call the material components of homologic spacetime "negative matter/dark matter" and call the material components of matter we usually refer to "positive matter /luminous matter".

### 3.1.3. "Time" and "Time Dynamic Speed"

We now come to define "time" and "time dynamic speed" in accordance with the two hypotheses above.

According to space field genic hypothesis and Phantasmal field genic unit hypothesis above, it is very easy for us to know that the most hypostatic physical endosome of space field are but the hylic essentiality embodied by genic component configuration of certain homologic field genic unit series originated from the "cosmic common extremity genic origin" and the dynamic essentiality of transnormal dynamic transmutation & transition among all field genic units.

So called "time" is just dynamic esse of hylic space field, —the dynamic integration of mutual transmutation & transition among all field genic units in space field. Time rate directly depends on rapidness and intensity of dynamic transmutation & transition among all field genic units in space field. In different space fields, as difference of space field strength, the intensity and rapidness of dynamic transmutation & transition among field genic units is proportionally different. Generally, the bigger the magnitude of space field strength is, the more intense and rapid the covariant transmutation & transition among field genic units is, and the faster time goes therefore.

As the activity aggregation of dynamic transmutation and transition of field genic units in space field, time itself is virtually a special speed, —the rate of dynamic mutual transmutation and transition of all field genic units in space

field. For convenience, we just call it "time dynamic speed", and symbolize it with general character "Y". Time dynamic speed is just the symbolic logic style of the intensity and rapidness of dynamic transmutation and transition of field genic units in space field. It adopts proper numerical value to denote the dynamic transmutation intensity and rapidness of field genic units according to certain material significance. It is a little similar as we adopt centigrade value to denote intensity degree of thermo motion of molecules.

Then, how should we define "time dynamic speed" exactly?

It's well known, when we come to scale the thermal degree of any objects, we just adopt precondition definition of boiling water under standard atmosphere as  $100^{\circ}\text{C}$  as thermal quantification standard to scale and quantify thermal intensity of any objects. Whereas, once we come to scale the rate of time, (Just to define or quantify the rate of the dynamic intensity or rapidness of transmutation & transition of field genic units in space field mathematically) the similar way is apparently not ideal. Whereas, let's suppose, if our study objective just limits in one sole object—for instance, it's just the water, under standard atmosphere press and  $20^{\circ}\text{C}$ , we define the cumulation of linear thermal motion route length of any water molecule in free water in one standard time unit "water thermal speed", (Note: here "free water" means water molecule never collides on any impurity molecules during the course of thermal motion.) Then, compared to centigrade value, water thermal speed not only has the super excellence of accuracy to describe the thermal degree, but also has the super excellence to incarnate the thermal hypostasis of molecule motion aggregate. Time dynamic speed can be defined by the similar way. For the very pursuit, it's necessary for us to introduce two related special items in advance.

#### ①. "Phoney Motion"

Any water molecule is a perceivable and relatively steady material object which we can track and ascertain at any moment; as a result, there must be tangible motion route during the course of molecule thermal motion. Whereas, any field genic unit is absolutely inconstant, so that it is completely impossible for us to ascertain and perceive their stationary presence as explicit behavioral main bodies in time current, as a result, when they are coexisting and transmuting in their innate estate, there is none tangible motion route or orbit of any field genic unit. But virtually, the transmutation and transition among field genic units can substantively lead to transposition among different field genic units. For instance, there are field genic units A and B in certain space field, when field genic units A and B transmute each other, genic unit A turns into genic unit B, and almost at the same time, genic unit B turns into genic unit A, thus, the consequence of the transmutation between field genic unit A and field genic unit B is just equivalent to the transposition between genic unit A and field genic unit B. We just call the very transposition caused by the transmutation among field genic units in the space field "phoney motion".

As long as the sorts of field genic units in space field are definite, as long as any two field genic units in the space field

can transmute each other convertibly, the dynamic transmutation and transition among field genic units must lead to “phoney motion”. And as the transposition among field genic units has no certain direction, but equivalent to any direction in ratio, the “phoney motion” has no direction. It implies that the word “phoney” of phoney motion has double meanings. First, it implies their positions transfer by mutual conversion, and virtually, the field genic units do not transfer mechanically, but as mutual conversion make their behavioral effect equivalent to transference; second, the transposition never goes along certain direction. It’s substantively a “phoney motion”.

## ②. “Standard Time Unit”

When we come to measure or quantify geometrical magnitude of any object, it’s always necessary for us to choose a proper standard measure unit in prior. For instance, we choose “meter” as the standard length unit to measure discretionary length of any object or distance between any two points. But now, let’s suppose the material of the ruler we adopt is rather sensitive to thermic intumescences, so that once we measure with this ruler under different ambient conditions of temperature, just because of the thermic intumescences due to different ambient conditions of temperature, even though, the results we measured might be just the same numeric magnitude, whereas, just because of the effect of sensitive thermic intumescences of the ruler itself in different temperature conditions, the practical length of objects we measured may be much different. When we come to consider the measurement of time, as the disparity among different space fields, similar status is even remarkable.

As the distinctions of space field strength, the rate of time in different space field is always not the same. While the rate of time predestines comprehensive motion rate of the matter existing in the proper space field including the rate of any clocks (It’s very accessible to be comprehended according to the absolute spacetime momentum  $mV=d(M\leftarrow m)Y$  of any object in spacetime and the relevant PNT dynamics equations, such as acceleration formula  $a(t)=Y(t)*K'(t)$ , velocity formula  $V=V_0+\Delta V=V_0+\int a(t)dt$  etc ) It implies that even just the same clock existing in different space field, as the distinction of the space field strength, its connatural motion speed can not be the same.

Let’s suppose there are two aircrafts, they are just the same and each is fixed with a clock exactly the same too. And let’s suppose just at the same moment the both aircrafts start at space field A, and separately fly into the space field B and space field C at the same initial speed. Standing in the space field A, we observe the both aircrafts, we find the both aircrafts separately fly into space field B and space field C at the same moment and at the same initial speed, then we begin to record time in the space field A. 11 seconds later, we come to observe the both clocks on the two aircrafts, the results may be that the clock in space field B has gone 10 seconds, and the clock in the space field C has gone 12 seconds. And synchronously, standing in space field A, we come to measure the distance that the both aircrafts separately flown

through in the “same interval”, the results may be that the aircraft in the space field B has flown through 100 kilometers, and the aircraft in the space field C has flown through 120 kilometers. Although considered by the observer in space field A, the speed of the aircraft in space field C is 1.2 times of the speed of the aircraft in space field B, while if the cosmonauts can communicate with each other, then the flying speed of their own aircraft they mutually communicated themselves is just the same. (Just as 100 kilometers/10 seconds = 120 kilometers/12 seconds). Even the both aircrafts transpose the space fields they fly in, as the change rate of aircraft flying speed and the change rate of the clock on the aircraft are exactly synchronous and equivalent, the cosmonaut in the aircraft has no way to find out the change of the flying speed of his aircraft, he still think his aircraft keeping in inertial motion state constantly.

Just because of the very synchronous and equivalent domino effect time works on universal motion rate of matter in spacetime, when we come to measure the cosmic time in different space fields, it seems necessary for us to define a proper “standard time unit” a coherent quantification standard, but not to mechanically believe in the measurement according to the ruler itself regardless thermic intumescences in different conditions.

Then, what a “standard time unit” we should choose according to practical feasibility and necessity?

In accordance with practical possibility and feasibility, we confirm that under presumable precondition that the space field status of which the earth exists in is constant; the interval of 1 second on the earth is just one standard time unit. Apparently, as introduction of the presumable precondition, the so-called “standard time unit” is virtually not standard at all, it but seems none better accessible for us to pursue.

Now, we come to define time dynamic speed. So called “time dynamic speed” is just mathematical quantification of phoney displacement cumulation of field genic units materialized by their mutual dynamic transmuting & transiting in one standard time unit. The magnitude of time dynamic speed not only directly means the time rate, but also means the integrative rate or capability of universal existence & motion of matter in cosmos.

If we still adopt “meter” as the unit of phoney displacement and adopt “second” as the time unit, then, the unit of time dynamic speed is “meter/second” too. However, as the genic phoney displacement has no definite direction, time dynamic speed is a pure scalar quantity, it but quantitatively scales the intensity & rapidness of dynamic transmutation & transition among field genic units in space field; it’s a numerical indication of dynamic intensity of connatural genic transmutation & transition in space field.

The root cause time dynamic speed is but scalar quantity is that mutual phantasmal transmutation and transition of field genic units makes the existence of field genic units in spacetime absolutely inconstant, once any field genic unit performed any transmutation and transition, it immediately became “non-self”, so that it’s impossible for us to ascertain any definite reference to define orientation in space field, as a

result, there is none definite orientation of genic transmutation and transition through and through, and as a result, time dynamic speed can only be a scalar quantity indicating intensity or rapidness of dynamic transmutation and transition of field genic units in space field. This of course implicates, as a very special speed, time dynamic speed is substantively very different from our conventional logos of speed.

### **3.2. Hypostatization of Logic Extension 2 of Homogenous Cosmos Originated from Unique Genesis Postulate, — Homologic Generation of Matter**

Matter homologic generation—hypostatization of homologic filiation between spacetime and matter along cosmic demiurgic evolution of sequential homologic multiplication.

In accordance with logic extension 2 of Homogenous cosmos originated from unique genesis postulate, if cosmos is object fully and exactly embodied by hypostatic existence of both spacetime and matter, nothing else, along original cosmic demiurgic evolution of sequential homologic multiplication starting at the so-called common cosmic extremity genesis to cosmic status quo, “spacetime” and “matter” must be lineal homologic filiation. However, what’s the definite homologic filiation between spacetime and matter on earth? Are the spacetime father and the matter son or are the matter father and the spacetime son?

Considering that matter exists in spacetime, we exclude the filiation possibility that matter is father and spacetime is son, because if the matter is really father and spacetime is son, then before birth of the “son”, where can the “father” exist in and how to motion? It’s obviously incompatible to the actuality that matter exists and motions in spacetime. Whereas, if spacetime is father and matter is sequential homologic multiplication outgrowth of spacetime (the son), it obviously seems compatible to the actuality that matter exists and motions in spacetime according to general behavioral logic sequence. Resultingly, we can affirm matter homologic generation as Matter homologic generation hypothesis as below according to clarification of homologic filiation between spacetime and matter:

It is hypothesized that along cosmic evolution of sequential homologic multiplication, matter is successive homologic multiplication outgrowth of hylic spacetime when spacetime develops to well-rounded stage, —some space field genic units congealed into “crystal” format for extra-saturation of space field.

This implies, on basis of homogenous cosmos originated from unique genesis postulate, matter homologic generation hypothesis is but conclusion about homologic filiation of spacetime and matter by excluding alternative possibility of matter father and spacetime son so as to approach positive logic outcome of Homogenous cosmos originated from unique genesis postulate with auxiliary precondition of Spacetime-matter fully embodying cosmos postulate.

As hypostatization of Homogenous cosmos originated

from unique genesis postulate, the reason “space genic field hypothesis”, “phantasmal genic unit hypothesis” and “matter homologic generation hypothesis” should still keep their “hypothesis” identities is exactly because they are just hypostatization outcome of Homogenous cosmos originated from unique genesis postulate, at any rare, Homogenous cosmos originated from unique genesis postulate can only be introduced as postulate at present. In another words, “space genic field hypothesis”, “phantasmal genic unit hypothesis” and “matter homologic generation hypothesis” are but broken down hypostatization of Homogenous cosmos originated from unique genesis postulate with hypostatic substitution of Spacetime-matter fully embodying cosmos postulate, which is even a little similar as we can break down human body as “human body”= “head” + “the body” + “purtenance” + “extremities”. Of course, we can also introduce similar equation to represent the logic correlation of all the related logic items as below:

“Homogenous cosmos originated from unique genesis postulate” + “Spacetime-matter fully embodying cosmos postulate”

≈ “Logic extension 1 of Homogenous cosmos originated from unique genesis postulate” + “Logic extension 2 of Homogenous cosmos originated from unique genesis postulate”

≈ (“space genic field hypothesis” + “Phantasmal field genic unit hypothesis”) + “matter homologic generation hypothesis”

Upon strict sense, Homogenous Cosmos Originated from Unique Genesis introduced “1+0.5+0.5” postulates throughout radical hypostatization of comprehensive homologic existence & motion of matter in cosmos.

The so-called “1” postulate is the prime precondition of Homogenous cosmos originated from unique genesis postulate, which is the major postulate leading the monograph throughout. In a straightforward word, all substantial logic hypostatization about homologic existence & motion of matter in cosmos introduced in the monograph are but logic extensions of the very postulate with supplementation of the both “0.5” postulates —if cosmos is really homogenous originated from unique genesis through and through, what the integrative homologic configuration of cosmos and proportional universal existence & motion of mater should be.

The first “0.5” grade postulate is just the “Spacetime-matter fully embodying cosmos postulate”, which hypothesizes spacetime and matter fully embody the entire cosmos, in cosmos, besides spacetime and matter, nothing else is existent. Virtually, “Spacetime-matter fully embodying cosmos postulate” is of course accessible to our general intuition, but it’s even difficult for us to prove upon strict sense. Prior introduction of the auxiliary postulate is ready to make use of available sling to expediently swing over deadly ravine of historical practice limitation so as to release pioneering pursuit towards authenticity illumination timely, —for expedience to deduct the two logic

extensions of Homogenous cosmos originated from unique genesis postulate even the inherent homologic correlation between spacetime and matter.

The second “0.5” grade postulate is “Instinctive PNT equilibrium postulate”, whose original introduction intention is ready to regularize PNT action for pioneering study of existence & motion of matter in homogenous cosmos in the face of puzzledom indistinctly knowing that existence & motion of matter must inherently relate PNT action and there must be some certain fundamental regularity of PNT action underlying upon intuitive experience but substantively difficult to demonstrate. Considering comprehensive existence & motion around us are always ready to orientate balance by the light of nature, I predictably affirmed the

instinctive PNT equilibrium of PNT action as another auxiliary postulate for further study breakthrough instead of my nonfeasance at the stage. This of course means instinctive PNT equilibrium postulate is but presumable confirmation of orientation fundamental underlying in PNT action. The reason I call it “0.5” grade postulate is because it is auxiliary postulate brought out along logic extension of Homogenous cosmos originated from unique genesis postulate when it comes to face what’s the orientation fundamental underlying of PNT action. “Instinctive PNT equilibrium postulate” will be introduced in coming section.

Till now, the logic multiplication of Homogenous Cosmos Originated from Unique Genesis is as below:

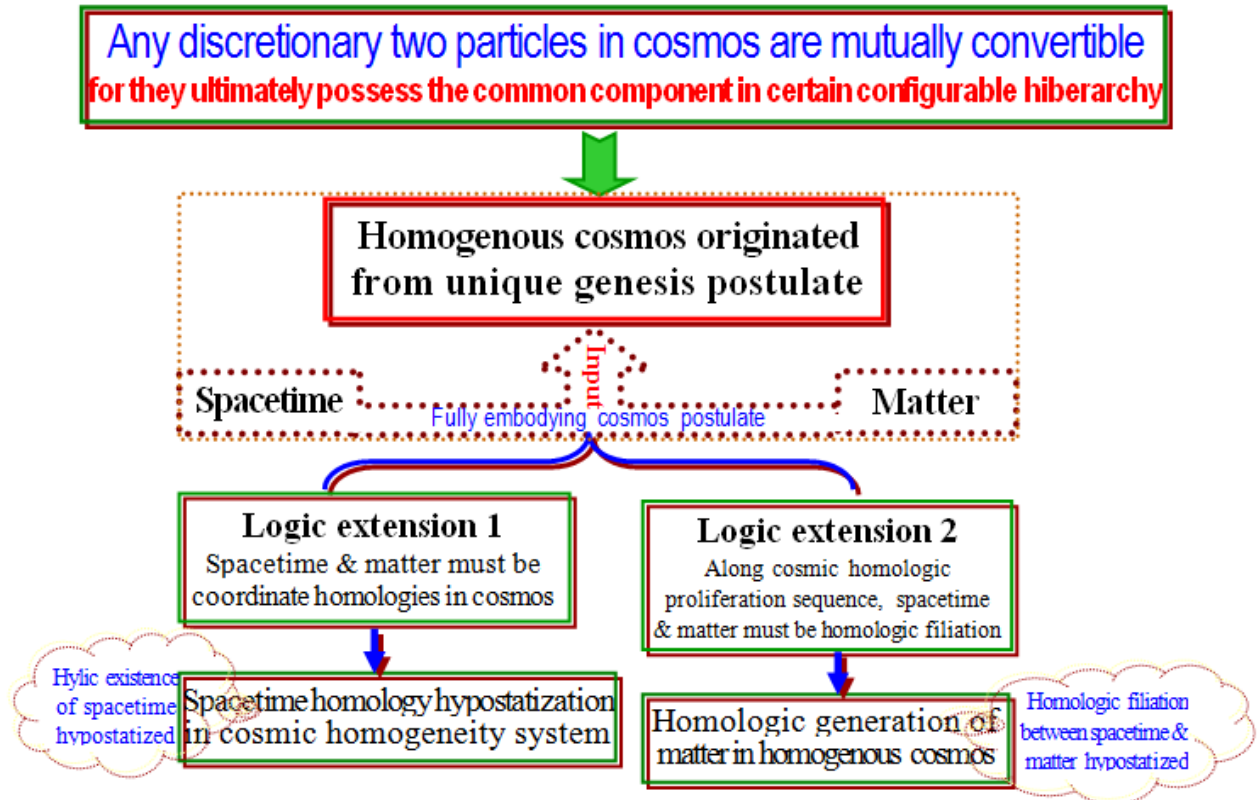


Illustration 1. Logic multiplication constitution of Homogenous cosmos originated from unique genesis postulate.

#### 4. Elementary Genic Components and Idiographic Existence & Motion of Matter as Distinctive Substantiality in Spacetime

##### 4.1. Elementary Genic Components of Matter

Just the same as the physical existence of material spacetime, the physical existence of matter must have its connatural elementary genic components too, and since matter is sequential homologic multiplication outgrowth of cosmic demiurgic evolution next to material spacetime, the elementary genic components of matter must be successive genic unit series of space field genic units  $i_0, i_1, i_2, \dots, i_n (n \in \mathbb{N})$ .

So we can expediently denote the elementary genic units of matter as successive extension of space field genic unit series  $i_0, i_1, i_2, \dots, i_n (n \in \mathbb{N})$ , which can be expressed as  $i_{n+1}, i_{n+2}, i_{n+3}, \dots, i_{n+p}, (n, p \in \mathbb{N})$ , and we call them elementary genic units, so-called “elementary genic units” are just the elementary components of matter.

Cosmos consists of spacetime and matter, the space field genic units  $i_0, i_1, i_2, \dots, i_n (n \in \mathbb{N})$  and elementary genic units  $i_{n+1}, i_{n+2}, i_{n+3}, \dots, i_{n+p}, (n, p \in \mathbb{N})$  form integrative sequential homologic genic unit series  $i_0, i_1, i_2, \dots, i_n, i_{n+1}, i_{n+2}, i_{n+3}, \dots, i_{n+p}, (n, p \in \mathbb{N})$ , this not only implies cosmos is throughout homogenous originated from unique genesis but also indicates the homologic lineage relationship of spacetime and matter, so the integrative sequential genic unit series of  $i_0, i_1, i_2, \dots, i_n, i_{n+1}, i_{n+2}, i_{n+3}, \dots, i_{n+p}, (n, p \in \mathbb{N})$  can even be regarded



as the symbolic denotation of homogenous cosmos originated from unique genesis.

#### 4.2. Distinctive Existence of Positive Matter in Spacetime Relative to Space Field Genic Units

The integrative generation and formation of matter in spacetime is not only limited in initial generation of elementary genic units in spacetime but also includes all further convergent demiurgic multiplication reciprocity among various compositive subunits radically rooted in elementary genic units in configuration along reciprocal convergent cascade succession round and round due to instinctive PNT reciprocal equilibrium towards optimum PNT operation. We mention distinctive existent character of positive matter compared to space field genic units herein is mainly ready to highlight the existent distinction as physic esse between positive matter and space field genic units, which generally include existent characters of cumulative mass residue, motion orientation, inner PNT configuration in spacetime etc.

In essence, positive matter can embody distinctive existent characters of physical esse in spacetime depends on situation that the mutual transmutation and transition between compositive elementary genic units of positive matter and accessible space field genic units are much more retarded than that among space field genic units.

In terms of space field genic units, as physical esse, once any two available space field genic units mutually finished definite transmutation or transition, they both completely changed into other space field genic units, they are non-self any longer immediately, and on the other hand, the magic conversion among space field genic units between genic self and non-self itself is just substantiation of time, it's substantively illogical for us to ascertain or define any definite transmutation & transition among space field genic units in normal time current, —in time current, we can ascertain neither any genic unit itself nor genic unit non-self, and virtually, there is no way for us to ascertain any distinction reference between genic unit self and genic unit non-self. All in all, as cosmic physical esse, there is no way for any field genic unit to embody its relatively perceivable distinctive esse profile in normal time current.

Relatively, the cumulative mass residue of elementary genic unit is massive, during the course of transmutation and transition between elementary genic units and field genic units, there are always distinctive mass residue, motion orientation, PNT configuration, geometrical profile embodying the distinctive existence of the very object. That's to say, once the elementary genic units perform bi-directional positive & negative transmutation & transition in space field, on one hand, it's transmutation & transition of field genic units towards elementary genic units, and on the other hand, it's transmutation & transition of elementary genic units towards field genic units, the initial generation of elementary genic units in spacetime above all means coexistence of the bi-directional transmutation & transition which satisfies

“transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of elementary genic units  $dm \geq 0$ , and the distinctive dynamic existence of idiographic elementary genic units in spacetime means the situation of “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of elementary genic units  $dm \geq 0$  is maintained in succession in its intrinsic way. And as a result, the proper elementary genic units existing in distinctive dynamic positive & negative transmutation & transition embody the physical esse of certain object in spacetime, which including existent parameters of mass residue, motion orientation & relative speed, inner reciprocal PNT configuration, geometrical profile of object and so on.

—Cosmic status quo is just integrative substantiation that cosmic scale “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of cosmic elementary genic units  $dm \geq 0$  is maintained in relatively steady idiographic succession ever since.

Distinctive existence & motion of Milk Way is just integrative substantiation that the Milk Way scale “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of elementary genic units of Milk Way  $dm \geq 0$  is maintained in relatively steady idiographic succession ever since;

Distinctive existence & motion of earth is just integrative substantiation that the earth scale “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of elementary genic units of earth  $dm \geq 0$  is maintained in relatively steady idiographic succession ever since.

Distinctive existence & motion of molecule, neutron, proton, electron, ..., quark are just idiographic substantiation that the proper scale “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of elementary genic units of molecule or particle  $dm \geq 0$  is maintained in relatively steady idiographic succession ever since.

Distinctive existence & motion of single dissociated elementary genic unit is just idiographic substantiation that certain scale “transmutation & transition rate of field genic units towards elementary genic units  $d(M \rightarrow m)$ ” — “transmutation & transition rate of elementary genic units towards field genic units  $d(M \leftarrow m)$ ” =physical esse of single elementary genic units  $dm \geq 0$  is maintained in relatively steady idiographic succession ever since.

On point of this, integrative existence of cosmic matter is

but outgrowth substantiation as physical esse of cosmos in time current ever since;.....; integrative existence of Milk Way is but outgrowth substantiation as physical esse of Milk Way in time current ever since; .....; integrative existence of earth is but outgrowth substantiation as physical esse of earth in time current ever since; .....; distinctive existence of any particle is but outgrowth substantiation as physical esse of particle in time current ever since; ..... even in terms of single dissociated elementary genic unit in spacetime, although the existence of single dissociated elementary genic unit in spacetime is usually inconstant in waveform motion, even at some certain time point of the proper wave period, its mass residue may be zero, whereas, throughout the wave period, the round existence as physical esse of single dissociated elementary genic unit in spacetime is still relatively constant, as long as the external spacetime condition is relatively constant.

The more macrocosmic the object is, the steadier and more substantial the physical esse of object in spacetime is.

The initial generation of elementary genic units in spacetime is similar as crystal congealed from the proper extra-saturated solution, once the space field strength gradually strengthen, space field genic units will transit and transmute towards elementary genic units faster than elementary genic units transit and transmute towards space field genic units, and more mass residue of positive matter occurred thereby, and consequently, coexistent elementary genic units will gradually converge due to instinctive PNT reciprocal equilibrium towards optimum PNT operation by the light of nature (by reciprocity of strong interaction, weak interaction, electromagnetic interaction, gravitational interaction) so as to form rich and colorful compound genic system (reciprocal PNT combinations) and exist as macrocosmic objects with idiographic physical esse embodied but not like space field genic units existing in phantasmal state and weak in idiographic embodiment of physical esse of themselves.

And at the same time, the relatively independent physical esse of positive matter in spacetime still implies further strengthening of space field won't remarkably impact the mechanism of spacetime any longer, but more sensitively impacts mass residue and related existent status of matter in spacetime, this of course implies, once matter comes into being in spacetime, the development of spacetime has approached its terminal.

Of course, if the space field strength arises weakening tendency, transition & transmutation of elementary genic units towards space field genic units will sensitively be more expedient than transition & transmutation of space field genic units towards elementary genic units so as to retard the

weakening tendency of space field strength, and mass residue of matter will proportionally decrease thereby. That's to say, the generation of matter in spacetime is reversible, since matter can generate under certain spacetime conditions, once the proper spacetime conditions are gradually perturbed or subsidized, mass residue of matter will proportionally decrease till at last exhaust in spacetime completely.

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