AASCIT | American Association for Science and Technology

Introduction of Atom State Equation in Spacetime

Yang Guosheng   Zhenzhu town, Pingyuan village 10-35, Wugang City, Hunan province, China

The exploration of Atom State Equation in Spacetime is pioneering endeavor to clarify both the atomic homogenous genic integral equation and the atomic PNT dynamic connotation integral equation so as to consummate the full mathematical connotation of Atom State Equation in Spacetime following a rational line of cosmic evolution of sequential homologic multiplication and in accordance with mathematical definition of Homogenous Cosmos Originated from Unique Genesis. Universal existence & motion of matter are but dynamic embodiment of instinctive PNT reciprocal equilibrium towards optimum PNT operation. No matter atomic homogenous genic integration or atomic PNT dynamic endosome integration, they are all outcome of spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation between elementary genic units and reciprocal PNT combination of gradation I with x reciprocal PNT operational hiberarchies or between reciprocal PNT combination of gradation I with x reciprocal PNT operational hiberarchies and reciprocal PNT combination of gradation I with n reciprocal PNT operational hiberarchies.

Original Generation of Atoms in Spacetime is Outcome of Cosmic Demiurgic Evolution of Sequential Homologic Multiplication Due to Spontaneous Occurrence of "Instinctive PNT Reciprocal Equilibrium Towards Optimum PNT Operation"

Since entire cosmos just consists in an absolute homogeneity system originated from unique genesis, can we regard the cosmic genic origin i_0 as "cosmic extremity quantum" and follow a rational line of cosmic evolution of sequential homologic multiplication starting at so-called "genic origin" to "cosmic status quo" to quantify entire physical cosmos into thorough coherence of homogeneity symbolic logic through and through?

Mathematical definition of Homogenous Cosmos Originated from Unique Genesis has primarily defined the physical endosome of universal homologic existence & motion and indicates initial thought germination of systematical mathematical quantization of cosmic homogeneity system. It initialized the uniform symbolic logic regularity of systematical quantization of universal existence & motion and approximately brought forth of the embryo modality of the very mathematical language system. Whereas, mathematical definition of Homogenous Cosmos Originated from Unique Genesis has only nailed down the cumulative homologic configuration radically originated from cosmic genic origin i_0 and the proper non-defined dynamic endosome of objects in cosmos, it still does not involve in substantial and idiographic PNT action even the proportional reciprocal configuration and dynamic compose innately determined by instinctive PNT reciprocal equilibrium towards optimum PNT operation.

The practical hypostatization of systematical quantization of universal existence & motion still depends on application of Atom State Equation in Spacetime. On one hand, most of the positive matter in cosmos exists in atomic objects, and on the other hand, throughout the cosmic evolution of sequential homologic multiplication, the connatural generation and formation of atoms in spacetime is substantively a key step of cosmic evolution.

Throughout the cosmic evolution, existence & motion of matter in spacetime is but dynamic hypostatization of spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation under possible conditions. Spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation brings on gradual reciprocal PNT combining convergence of cosmic matter and changes the cumulative scale and compositive configuration of matter. Throughout cosmic evolution of sequential homologic multiplication, the initial generation of discretionary reciprocal PNT combination coming in for original generation of elementary genic units in extra-saturated space field is but outcome of spontaneous

occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation among mutually available elementary genic units or between elementary genic units and reciprocal PNT combination with x hiberarchies of PNT configuration or between reciprocal PNT combination with x hiberarchies of PNT configuration and reciprocal PNT combination with n hiberarchies of PNT configuration, cosmic freewheeling demiurgic evolution due to spontaneous occurrence of "instinctive PNT equilibrium towards optimum PNT operation".

Throughout cosmic evolution of sequential homologic multiplication, the initial generation and formation of atoms in spacetime is substantially a key step of spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation which virtually takes role of homologic multiplication of positive matter. After all, before atoms coming into being, spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation among sub-atomic units towards more advanced convergent configuration always orient generation of atoms. Whereas, after generation of atoms in spacetime, successive spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation generally orient molecules, ……, gas, liquid, solid, celestial bodies, …… among mutually available atoms, molecules, ……, gas, liquid, solid, celestial bodies, ……. This of course means, after generation of atoms in spacetime, qualitative change of cosmic homologic proliferation due to spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation has occurred thereby.

In terms of cosmic evolution of sequential homologic multiplication before initial generation of atoms, initial generation and formation of atoms generally converges all progressive cosmic evolution besides initial birth and formation of celestial bodies, galaxies which originally come into being under guide of gravitational reciprocity among mutually available celestial bodies. Any atom in spacetime is just a perfect convergent cell as outgrowth of instinctive PNT reciprocal equilibrium towards optimum PNT operation.

In terms of the cosmic evolution of sequential homologic multiplication after generation & formation of atoms in spacetime, as extensive presence of atoms in spacetime, the successive cosmic evolution of sequential homologic multiplication changes qualitatively, the coming instinctive PNT reciprocal equilibrium towards optimum PNT operation are widely performed among atoms towards macrocosmos. And the dynamic compose of atoms consequently takes the role of inherent causes for instinctive PNT reciprocal equilibrium towards optimum PNT operation. Under certain spacetime background, not only the initial generation, formation of all gas, liquid, solid around us are all derived from dynamic compose of the proper compositive atoms, but also all idiographic existence & motion of reciprocal PNT combinations of gradation III radically root in the dynamic compose of the proper compositive atoms, no matter physical characters, chemical characters and biological characters of objects we usually mention.

On some certain point of view, the unalloyed cosmic evolution itself has not brought up eyeable rich and colorful cosmos directly, but gestates elementary atoms in advance as preparation for successive demiurgic evolution towards eyeable rich and colorful macrocosmos; the eyeable rich and colorful macrocosmos is but outcome due to spontaneous occurrence of instinctive PNT reciprocal equilibrium towards optimum PNT operation among mutually available atoms.

Now, following the preliminary direction of mathematical definition of Homogenous Cosmos Originated from Unique Genesis and PNT action & PNT reaction, we come to analyze and formulate the general existence & motion of reciprocal PNT combinations of gradation II Atom State Equation in Spacetime. We study Atom State Equation in Spacetime is just ready to ascertain the integral genic configuration and inherent dynamic compose of atoms along cosmic evolution of sequential homologic multiplication under precondition of homogenous cosmos originated from unique genesis.

So-called "state equation" just means the mathematical expressions of physical endosome of dynamic compose and dynamic conditions of atoms in spacetime, it can be said that existence of any atom means a perfect PNT dynamic cell in spacetime. Once we introduce proper mathematical equations to express the vivid existence of the perfect PNT dynamic cell in spacetime, the so-called "proper mathematical equation" is just the Atom State Equation in Spacetime.

Ultimate Consummation of Atom State Equation in Spacetime Depends on Unique-Genesis Quantization Accomplishment of Both Configurable Homologic Genic Integration and Proportional PNT Dynamic Connotation Integration

We study Atom State Equation in Spacetime is generally ready to clarify the progressive existence & motion connotation imparted by cosmic demiurgic evolution of sequential homologic multiplication from elementary genic units to reciprocal PNT combination of gradation I and successively from reciprocal PNT combination of gradation I to reciprocal PNT combination of gradation II. For the convenience to explore the object, we disjoin the homogenous definition equation of Atom State Equation in Spacetime derived from the homogenous integration equation of atom $\sum {}^{D}m_{Atom} \equiv D_{PNT}[\int i_0{}^{Atom} f(m_{i0 \to Atom})i_0]$ into atomic homology genic unique-genesis quantization integral equation $\sum m_{Atom} = \int i_{0\,Atom} f(m_{i0 \to Atom})i_0$ and atomic PNT dynamic compose

unique-genesis quantization integral equation $\sum {}^{D}_{}\text{Atom}=D_{PNT}[\int i_0{}^{Atom}]$ and study them apart. That's to say, we just disjoin homogenous definition equation $\sum D_{m\ Atom}$ as below:

$$\sum {}^{D}m_{Atom} \equiv \begin{cases} \sum m_{Atom} = \int i_0{}^{Atom} f(m_{i0\rightarrow Atom})i_0 \\ \sum {}^{D}{}_{Atom} = D_{PNT}\left[\int i_0{}^{Atom}\right] \end{cases}$$

Towards the Research Goal, We Firstly Study Homology Genic Unique-Genesis Quantization Integral Equation $\sum m_{Atom}=\int i_0{}^{Atom}f(m_{i0\rightarrow Atom})i_0$ of Atom

In accordance with homogenous integration equation, as one of the most typical and universal reciprocal PNT combination in spacetime, the homogenous genic convergent cumulation of elementary atom was exactly actualized proportionally along the clue of cosmic evolution. Apparently, in order to study the original homogenous genic accumulation of elementary atom, we should above all clarify the sequential homogenous evolution clue and the proper preparatory assimilating enrichment of each evolutional fragment or phase of elementary atom.

In accordance with basal postulate of Homogenous Cosmos Originated from Unique Genesis, the cosmic evolution start is just the cosmic genic origin, and the terminal target is cosmic status quo. And indeed, the primary establishment of PNT dynamics has incarnated the general clue of cosmic homogenous evolution. Cosmos first evolves into spacetime, and at the same time give ordinal births to n+ 1 sort of negative genes of i_0, i_1, i_2, … i_n, ($n\in N$). During the course of gradual evolution of spacetime, the remarkable qualitative evolvement is the naissance and formation of both space distance and time, and the proportional quantitative evolvement is that space distance royal road optimizes and time dynamic speed augments synchronously with space field strength gradual aggrandizement, and space radiation cornu consequently augments. And the continuation of spacetime quantitative evolvement ultimately leads to further pivotal qualitative evolvement the ordinal naissance of elementary genic units of i_{n+1}, i_{n+2}, i_{n+3}, … i_{n+p}, (n, $p\in N$) for spacetime supersaturation. The existence of elementary genic units in spacetime indicates the naissance of positive matter/luminous matter. Subsequently, it's the connatural performance of spontaneous covariant reciprocal PNT equilibrating between elementary genic units or discretionary matter systems, which innately forms cosmic rich and colorful reciprocal PNT combinations such as nucleon and nucleon form atomic nucleus by strong interaction, atomic nucleus and electron form atom by electromagnetic interaction, atom and atom form molecule, molecule series, …gas, liquid, solid, even colorful organism by electromagnetic interaction; and ultimately, the universal gas, liquid and solid form various celestial bodies, galaxies in spacetime by mutual PNT reciprocity of gravitational interaction.

Nucleon and nucleon form atomic nucleus by strong interaction is the precision PNT cycle linkage or PNT cycle covariant combination engineering; nucleon and electron, atom and atom, molecule and molecule form rich and colorful macroscopical cosmic objects by electromagnetic interaction is just the genic microcosmic configuration reciprocal saturation tropism engineering, and just the genic configuration compensating coupling engineering between matter systems; the formation and evolvement of celestial bodies and galaxies is just the cosmic evolutional terminal engineering guided and dominated by gravitational interaction among macroscopical objects in spacetime, it's spontaneous acclimation optimization of macroscopical conformation of matter fields oriented to the original aesthetic macroscopical sculpt against superposition disturbance. The cosmic evolution gets the PNT reciprocity operation engineering done without any letup in accordance with PNT equilibrium instinct. And just because of this, the cosmic evolution segment of PNT reciprocity operation engineering in accordance with PNT equilibrium instinct is called cosmic freewheeling demiurgic evolution due to spontaneous occurrence of instinctive PNT equilibrium towards optimum PNT operation among sub-compositive matter systems in spacetime.

In accordance with mathematical definition of Homogenous Cosmos Originated from Unique Genesis, any discretionary existent gene $i_u\in(i_0, i_1, i_2, … i_n, i_{n+1}, i_{n+2}, i_{n+3}, … i_{n+p})$, (U, n, $p\in Z$, $0\leqq U\leqq n+p$) in spacetime, we can give mathematical expression to homology genic integral equation $\sum m_{i_u}=\int i_0{}^{Xi_u}f(m_{i0\rightarrow i_u})i_0$. Elementary atoms radically consist of genic units; consequently, we can primarily give mathematical expression to homology genic integral equation of elementary atoms as below:

$$\begin{aligned} \sum m_{Atom} &= \int i_0{}^{Atom}f(m_{i0\rightarrow Atom})i_0 \\ &= \sum_{U=0}^{U=n+p} C_U * \int_{i0}^{Xi_u} f(m_{i0\rightarrow Atom})i_0 \end{aligned} \qquad \text{………} \qquad \text{(IV-v-1)}$$

(In the equation, C_U denotes the number of gene i_u in reciprocal PNT combination of atom, $C_U\in Z$)

The homology genic integral equation of atom only represents the unique-genesis quantized genic accumulation of atom, but not represents the dynamic configuration and state of atom in spacetime.

In terms of homology genic integral equation of atom, once approached such stage, the undone jobs are as following:

The first, clarification and verification of homogenous quantitative conversion correlation between mass quantification of discretionary object and quantification of i_0

The second, clarification and verification of value of n, p, U, C_U

The third, demonstration and consummation of unique-genesis quantization evolution function $f(m_{i0 \to X})$

We Look into Homology Unique-Genesis Quantization Integral Equation of Atom $\sum D_{Atom} = D_{PNT}[\int i_0{}^{Atom}]$ is Generally Ready to Illuminate the Composing of Dynamic Configuration & State of Atom in Symbolic Logic

Composing of Dynamic Configuration of Atom

Original generation and formation of any reciprocal PNT combinations in cosmos is but outcome of cosmic freewheeling demiurgic evolution due to spontaneous occurrence of "instinctive PNT equilibrium towards optimum PNT operation", original generation and formation of atoms in spacetime can never be exception. We study the dynamics conformation of atom is just to study what kinds of basal "dynamic structure units" are formed during the course of freewheeling demiurgic evolution due to spontaneous occurrence of "instinctive PNT equilibrium towards optimum PNT operation" among various sub-atomic units mutually available in spacetime. So-called "dynamic structure unit" is just the physical object which can be found performing PNT with physical ambient and proportionally individualizing idiographic existent characteristics. For example, nucleon is a typical basal dynamics structure unit in atomic nucleus, nucleon and nucleon form another distinctive dynamic configurable hiberarchy of atomic nucleus by strong interaction; as distinctive dynamic configurable hiberarchy, atomic nucleus and electron form further relatively independent dynamic configurable hiberarchy of atom (Of course, the electron here is too another independent dynamic structure unit).

But it's very regretful; I have very poor knowledge on the inner configuration and conformation of atomic nucleus at present. As a result, in terms of dynamic configuration and conformation of atomic nucleus, I still lack necessary groundwork resource to get bottom of it.

Approached such stage, in terms of dynamic configuration and conformation of atom, the undone job is of course to get to the bottom of dynamic configuration and conformation of atom and practical verification

Dynamic State of Atom

So-called "dynamic state of atom" just means the atomic holistic dynamic hypostatization of both separate PNT performance of all compositive subunits and the coherent reciprocal PNT performance among all compositive subunits. Under the precondition that the atomic dynamic configuration and conformation has been clarified, it generally involves the dynamic formulation due to distinctive PNT performance of all dynamic subunits and integrated reciprocal PNT performance among all the compositive subunits.

However, for the cause of uncertainty, the Atom State Equation in Spacetime can not directly introduce intuitionistic time and space notion, otherwise, we can only find the probability existence of some microcosmic dynamics structure units (such as electron). Thus, we must introduce notions of "time unique-genesis quantization function" and "space distance unique-genesis quantization function".

Time unique-genesis quantization function

In the face of time unique-genesis quantization issue, we are always ready to define it referring to certain object with certain mass in certain space field with proper time dynamic speed. We define the PNT implementation quantity of some certain object with certain mass in "standard time unit[①]" is just the time implementation rate. If we quantize the time implementation rate into unique-genesis quantification, we then arrive at the time unique genic quantization function. If we denote the time implementation rate of certain object in certain space field as below:

Note[①]: the definition of spacetime displacement implementation rate introduced the absolute stationary reference frame, whereas, absolute stationary reference frame is a purely theoretical notion, it's actually nonexistent in cosmos, it but seems convenient to define spacetime displacement implementation rate under the absolute stationary reference frame. At any rate, till today, I still did not find any suitable way to define it. For the analogous reasons, the definition of time implementation rate also introduced the notation of "standard time unit", as the everlasting dynamic existence of space field, standard time unit is nonexistent too. The definition of standard time unit in above section was defined under presumable precondition that the spacetime around the earth is supposed to be everlastingly constant. This is unavoidable accessibility and expediency in accordance with actual ambient possibility around us.

$$\eta=g(m,Y) \qquad\qquad \text{…………} \qquad \text{(IV-v-2)}$$

(In the equation, η denotes the time implementation rate of matter system, m denotes the mass of matter system, Y denotes the proper time dynamic speed.)

Then, the time unique-genesis quantization function of the mater system in spacetime can be primarily expressed as below:

$$\delta= \tilde{O}_{i_0\rightarrow}(m, t) \qquad\qquad \text{………} \qquad \text{(IV-v-3)}$$

(In the equation, "$i_0\rightarrow$" is the symbolization of unique-genesis quantization.)

Space distance unique-genesis quantization function

Homoplastically, in terms of space distance unique-genesis quantization issue, we also define it referring to certain object with certain mass in certain space field with certain time dynamic speed. We define the PNT implementation quantification of some certain object in certain space field with certain mass moving one meter displacement relative to the absolute stationary reference is just the spacetime displacement implementation rate. If we quantize the displacement spacetime implementation rate into unique-genesis quantization format, we arrive at the spacetime distance unique-genesis quantization function.

If we denote the spacetime displacement implementation rate as below:

$$\chi=p(m, Y) \qquad\qquad \text{………} \qquad \text{(IV-v-4)}$$

(In the equation χ denotes the spacetime displacement implementation rate of matter system, m denotes the mass of matter system, Y denotes the corresponding time dynamic speed.), then, the proper spacetime distance unique-genesis quantization function of matter system can consequently be expressed as below:

$$\Phi= P_{i_0\rightarrow}(m, Y) \qquad\qquad \text{………} \qquad \text{(IV-v-5)}$$

Of course, the time unique-genesis quantization function and space distance unique-genesis quantization function can actually be integrated into one coherent function; we just call the integration function "spacetime unique-genesis quantization function", and we mathematically denote it as below:

$$\Psi=f_{i_0\rightarrow}(\delta, \Phi) =\check{N}_{i_0\rightarrow}(m, Y) \qquad\qquad \text{………} \qquad \text{(IV-v-6)}$$

The spacetime unique-genesis quantization function is just the unique-genesis quantization mathematical format of spacetime implementation rate. So-called "spacetime implementation rate" is just the PNT implementation quantity of certain freewheeling object in spacetime in one standard time unit. We can expediently arrive at the spacetime unique-genesis quantization function by quantizing the spacetime implementation rate into unique-genesis quantization format. Spacetime unique-genesis quantization function only relates with the energic characters of matter (mainly related to the energy status $d(M\leftarrow m)/m=V/Y$ of matter system) and the proper time dynamic speed Y matter system involved in. The PNT performance of purely freewheeling moving object directly incarnates spacetime implementation rate. As time dynamic speed is a pure scalar, even the objects with the same energic characters moving in the same ambient space field, the moving orientation may be different, the discrepancy of moving orientation depends on the initial status of matter system, and the motion orientation selectivity is but consequence of instinctive PNT reciprocal equilibrium towards optimum PNT operation.

Integrating the PNT dynamics, we now can express the Atom State Equation in Spacetime as below:

$$\sum{}^{D} m_{Atom} \equiv \begin{cases} \sum m_{Atom} = \sum_{U=0}^{U=n+p} C_U * \int_{i_0}^{i_u} f(m_{i_0\rightarrow i_u})i_0 \\ \Psi = \check{N}_{i0\rightarrow}(m, Y) \\ a(t) = Y(t)*K'(t), F(t) = m(t)*Y(t)*K'(t), V = V_0 + \int Y(t)*K'(t)dt, \cdots\cdots \end{cases} \qquad \text{……} \quad \text{(IV-v-7)}$$

As the highly coherence of cosmic homogenous evolvement function $f(m_{i_0\rightarrow X})$, spacetime unique-genesis quantization function $\Psi= \check{N}_{i_0\rightarrow}(m, Y)$ and PNT dynamics, it's not that each elementary atom has a (or a group of) homologous state equation (equations), but all the elementary atoms are actually subject to coherent state equation (or equations), the discrepancy in atomic state equations between any two elementary atoms are but limited in different insitions of individual internal parameters and various related ambient conditions. Of course, the current PNT dynamics still need further demonstration and consummation. And at the same time, the second item $\Psi= \check{N}_{i0\rightarrow}(m, Y)$ and the third item $a(t)=Y(t)*K'(t)$, $F(t)=m(t)*Y(t)*K'(t)$, $V=V_0+\int Y(t)*K'(t)dt$, …… of the equation troop are homologous in symbolic logic. In fact, both the second item and the third

item can be syncretized into the first item $\sum m_{Atom} = \sum\limits_{U=0}^{U=n+p} C_U * \int i_0 i_u f(m_{i0 \to iu}) i_0$, so that the whole equation troop can be integrated into its original homogenous mathematical definition format of atom in spacetime $\sum Dm_{Atom} \equiv D_{PNT}[\int i_{0Atom} f(m_{i0 \to Atom}) i_0]$. Consequently, it's easy to predict, when the equation troop gradually tend to consummation, the Atom State Equation in Spacetime will be unexpectedly more and more succinct and vivid.

Approached to such stage, in terms of further consummation of Atom State Equation in Spacetime, the undone jobs are as following:

The first, further consummation of unique-genesis spacetime quantization function

The second, further verification and demonstration of PNT dynamics

The third, under the precondition that atom dynamics configuration has been verified, bringing both spacetime unique-genesis quantization function and PNT dynamics into all dynamic compositive units of atom and all inherent PNT reciprocity among the compositive units.

Atom State Equation in Spacetime does not exclude conventional particle physics, atom physics and quantum theory, instead, in many cases, the practical research and ultimate consummation of Atom State Equation in Spacetime will still depend on conventional particle physics, atom physics and quantum theory as available fecund soil to root in, but just because of prime introduction of idea of homogenous cosmos originated from unique genesis, PNT dynamics and unique-genesis quantization methodology, the ultimate consummation of Atom State Equation in Spacetime will cover conventional particle physics, atom physics & quantum theory and make them more systematical and tidy in logic. In another word, ultimate consummation of Atom State Equation in Spacetime maybe assimilate the quintessence of particle physics, atom physics & quantum theory indiscernibly as self-evident logic connotation without special annotation but consequence of distinctive parameters involving in. The practical situation may be similar as force definition of Homogenous Cosmos Originated from Unique Genesis——dynamic domino offect of instinctive PNT reciprocal equilibrium towards optimum PNT operation due to presence of PNT operational disturbance of matter system covering all force definitions of the so-called "four basic forces" in tradition, which are virtually four typical instances of dynamic domino offect of instinctive PNT reciprocal equilibrium towards optimum PNT operation due to presence of idiographic PNT operational disturbance among sub-matter-systems going without saying.

Practical Significance of "Atom State Equation in Spacetime"

The practical significance of Atom State Equation in Spacetime essentially depends on its inherent concentrated assimilation and accumulation of cosmic evolution and its innate dynamic ascendancy to subsequent performance of instinctive PNT reciprocal equilibrium towards optimum PNT operation among available atoms. Once the Atom State Equation in Spacetime coming into being, not only all the existence & motion of all sub-atomic units will be thoroughly explicit, but also all the existence & motion of all tectonic objects consisting of atoms will expediently be self-evident followed a rational line of symbolic logics of Atom State Equation in Spacetime, all existence & motion of tectonic objects consisting of atoms can be directly deduced from proper Atom State Equation in Spacetime by mathematical illation operation. Followed the rational line, comprehensive science concerning universal existence & motion of matter in spacetime will turn into one coherent mathematical illation operation system. Even as the cosmos itself is originally an everlasting on-going dynamic quantitative change process, we can affirm without hesitation, no mathematical operation, no science.

For instance, once we possess the rational resource of Atom State Equation in Spacetime, we've then procured enough logos capital to arrange and construct volitional nucleus PNT activation mechanism which we'll emphatically introduce in the next section, we can then come to calculate and predict any possible interaction and corresponding interaction effect between discretionary atom and atom, atom and molecule, molecule and molecule etc by mathematical illation operation based on Atom State Equation in Spacetime resorting the dynamic ascendancy of atom. Because, theoretically, under the precondition of entire quantization of cosmic evolutional process, any material object in cosmos, no matter it belongs to biological category or abiological category, as long as it has mass and substantively exists in spacetime, it must have its idiographic genic accumulation configuration proportionally to its connatural hylic dynamic tectonic compose, and as long as we introduce the proper PNT performance under certain ambient spacetime into the mathematical representation of the idiographic dynamic tectonic compose, we can then arrive at the perfect mathematical state representation of the very object, which reflect all quantitative dynamic attribute and relative behavioral regularity of the object existing in certain ambient spacetime, no matter existent state of gas, liquid, solid, relative characters as oxidation capacity, deoxidation capacity, mechanic strength, flexility and so on.

All in all, once we possess the rational resource of Atom State Equation in Spacetime, the comprehensive existence & motion based on the connatural tectonic dynamic compose of atom will be self-evident mathematical illation, no matter it's originally belongs to category of physics, chemistry and biology.

Currently, biological DNA study is rather an alluring and mysterious subject, whereas, once we've been in possession of rational resource of Atom State Equation in Spacetime, the mystery of DNA will be immediately illuminated in explicit dynamic equations. Upon the possession of rational resource of Atom State Equation in Spacetime, such a simple atomic reciprocal PNT combination as DNA of course means nothing to us, taking use of a computer and based on proper Atom State Equation in Spacetime, several seconds of mathematical illation operation can make it completely explicit. Nay, we can also predict and optimize the DNA configuration by mathematical illation based on relevant atomic dynamic compose and interactional possibility & effect under proper ambient conditions; we can even predict and create new DNA model originally non-existent on the earth.

In productive practice, in accordance with the proper dynamic characters of atoms, once we are aware of the atomic tectonic configuration and internal dynamic attribute of certain idiographic biological DNA, we can then quantize the idiographic biological DNA into PNT dynamic equations according to proper Atom State Equation in Spacetime, and consequently, we can go further to quantize the extensional biological propagation process derived from DNA atomic tectonic configuration and internal dynamic attribute and edited the proper quantified physical process into controllable production procedures. Then we can of course image, at the material input initial section of production line, we just input necessary material without any vitality proper reciprocal PNT combinations or radicel in certain dynamic state, whereas, at the terminal section of the production line we can procure "lion", "tiger" full of vitality. Comparably, the study behavior of traditionary sciences as chemistry and biology, with a tube in hand shaking & observing, observing & shaking is substantively as stupid as blind man pushing forward his way by touch of hands.

Nature is always spoony over such roles, before we practically master the essentiality of it, it is always ready to banteringly dally its most unfathomable obscurity before us. Whereas, once the essentiality of it ultimately highlighted therein for our aggressive and remorseless exploration endeavor, it then ardently and openly shows off its rich and colorful contents originally well-regulated in thorough coherence vividly!

——Firstly written in Dec. 1995, Revision was done in Nov. 2007■

Yang Guosheng

I am a wolf on bottom of well and author of Homogenous Cosmos Originated from Unique Genesis. My name is Yang guoshing, I was in Dec. 1972, and I am a poor Chinese peasant floater without any advanced education. I now work at a Manufactory for 8-11 hours per day for subsistance, after hours, I work at my New World Manufactory a little now and A little then.
Email: marktin-yang@163.com

References

[1]   J. Foster, J.D.Nightinggale. A Short Course in General Relativity, Peking, Springer-Verlag, 1998

[2]   Steven Frautschi. Beyond the Mechanical Universe, Peking, Peking University Publishing Company, 2000

[3]   Stephen Gasiorowiez, Quantum physics, Peking, Higher Education Press, 2006

[4]   Zhang-shanhui, Wang-huzhu. College Physics——Mechanics, Peking, Tsinghua University Publisjing Company, 1998

[5]   Zhang-shanhui, Sheng-huijun. College Physics——Calorifics, Peking, Tsinghua University Publisjing Company, 1998

[6]   Zhang-shanhui, Shi-tianlian. College Physics——Optics, Peking, Tsinghua University Publishing Company, 1996

[7]   Yang-hujia. Atom Physics, Peking, Higher Education Press, 1997

[8]   Gou-shouhong. Electrical Mechanics, Peking, Higher Education Press, 2006

[9]   Cheng-tansheng. Modern Quantum Mechanics Course, Peking, Peking University Publishing Company, 2006

[10]   Introduction of Atom State Equation is not only a section of Homogenous Cosmos Originated from Unique Genesis but also a logic extension segment of coherent linear logic system extended from idea of Homogenous cosmos originated from unique genesis, In the integrated logic system, Introduction of Atom State Equation in Spacetime apparently has character of a connecting link between the preceding and the following. You are welcome to turn to the whole monograph for lightsome comprehension.

[11]   English version of the whole monograph: http://www.docin.com/p1-1143974173.html

[12]   Chinese version of the whole monograph: http://www.docin.com/p1-1143974174.html