TianmingRen in the Cloud  
Prof. Leo KoGuan  
Leo@shi.com  

Pure mathematics is, in its way, the poetry of logical ideas. –Albert Einstein

**Diagram 1: TianmingRen in the Cloud**

I have a good news to tell, a wonderful and happy news to share with you. TianmingRen is one who practices **Giving first Taking later** as the unity of Giving and Taking that maximizes the good, minimizes the bad, and optimizes the objects of desire to all to bring about free-education, free health care and free material wealth to everyone, so that one can pursue one’s dreams and aspirations without worrying about one’s own survival issues. Logically, Existence emerges directly from Non-existence. Once it exists, it exists in all potentialities. When this principle unfolds itself, it differentiates into all things, and voila! TianmingRen, man of Heavenly Mandate, emerged through evolution on Earth like magic. He is born with the Five Mandates: Humanity, Justice, Six Freedoms, Unity of Rights and Duties and a Regulated but Free and Open Market System. He is born embodying Dao; he and Dao are unified; and they are one. KQID explains why, what and how this Existence as Dao and as Planck’s Mind, the matrix of all matter, and as KQID-Maxwell’s Infinite Being with infinite storage where our Ancestor FAPAMA Singularity bit (00, +, -) emerged from Non-existence. FAPAMA is 3-in-1 inseparable unitary one “1” infused in everything from one bit to one atom to one Existence, so that there is nothing it is not. FAPAMA is living in all things and all things are FAPAMA. FA means law (00), PA means papa (+), and MA means mama (-) (Diagram 2).

The discovery of KoGuan Quantum InfoDynamics (KQID) is so simple that it can be pictured in the Diagram 1 above. From now on, we know who we are, what we are, how we are made and why we are here. We can see, understand and identify clearly about everything. No more mystery on what, how and why Existence exists and why something rather than nothing. I want to tell you the epic story of Creation and Distribution, the heroic story of our Creator bit.

Historically, the God of Plato, Jesus Christ is living outside of space and time. Similarly, the God of Descartes, Newton, Maxwell and Einstein is the timeless God living OUTSIDE of known space and
time. But, the God of Fu Xi- Xuan Yuan is living IN space and time. Similarly, KQID puts our Dao-God-Creator-Ancestor INSIDE the KQID Ouroboros Equations of Dao within 3D time (space) in time. Our Creator Qbit is no longer existing outside of space and time, but it is living in 3D time in Lm. KQID postulates Existence is meme actor \( |\Psi(CTE)\rangle \) where consciousness \( c \) is physical, time \( t \) is physical, and energy \( E \) is physical. Hereby, KQID unifies consciousness, time, energy and mass into one bits-waves function \( |\Psi(CTE)\rangle \). This \( |\Psi(CTE)\rangle \) is living and constantly moving straight up perpendicular to relativistic time \( \Psi(\tau L_{x,y,z}, L_m) \) in time. Hereby, \( |\Psi(CTE)\rangle \) is the fetus of time living in time \( \Psi(\tau L_{x,y,z}, L_m) \) and time \( \Psi(\tau L_{x,y,z}, L_m) \) is pregnant with Existence \( |\Psi(CTE)\rangle \).

KQID crushed dualism into monism. KQID is purely monism of physicalism, not Cartesian dualism of mind and body, nor dualism of ideas and material nor mental and physical nor soul and matter. Both mind and body are primary, no secondary substance. Both mind and body are the products of matter acting upon matter or products of idea acting upon idea. KQID denies existence of any immaterial substance, but mind and its body are one and the same substance. Idea (bit) is simply matter (it), and matter (it) is simply idea (bit). Everything is absolutely physical per Landauer’s principle that information is physical: one bit \( \geq k\Omega \ln 2 = \text{energy} \). KQID is thoroughly physical theory of everything: Bit is it and it is bit.

KQID postulates that ideas come from interactions of material things like from within our brain and/or from exchanges of ideas that breed new ideas. Ideas have sex with ideas\(^1\) and produce offspring of new ideas or completely mutated new ideas in different forms stranger than imagined. Ideas are intrinsically physical. Since bit is an emergent and intrinsically physical phenomenon of its own, bit by itself is physical it, and it by itself is idea bit. Nothing and nothingness are physical because nothing and nothingness are ideas. Ideas are patterns, and all patterns are physical governed by Schrödinger’s bits-waves function \( \Psi \) where \( E\Psi = H\Psi \), \( E \) is energy and \( H \) is Hamiltonian. Heisenberg stated: “[A]toms are not things.”\(^2\) Yes, an atom is not a solid thing, nonetheless an atom is a physical pattern. Pattern is idea. Atom is physical bits-waves function \( H\Psi \). Nobel Laureate Wilczek wrote: “[Q]uarks and gluons...embodied ideas...are mathematically complete and perfect objects...the objects that obey the equations of gluons. The its are the bits.”\(^3\)

The Qbit is computing, simulating and projecting these virtual Einstein complex coordinates of virtual points perpendicularly into time in the zeroth dimension. The collection of these virtual Descartes points in the zeroth dimension is what we named as mathematical objects or matter, from the 0D to 1D, then 2D, then 3D time in time. Information \( I \) of the \( |\Psi(CTE)\rangle \) is the identity conscious operator as the bits-waves function \( \langle \Psi \rangle \) of consciousness \( c \), time \( t \) and energy \( E \), \( L_{x,y,z} \) is the length on \( x, y, z \) axes, and \( L_m \) is the Minkowski’s Multiverse timeline living in the zeroth dimension. The Qbit is everything and everything is the Qbit. The Qbit is all that is. The Qbit is Huishi’s small one with nothing inside and great one with nothing outside.

Since Existence is infinite that means from minus infinity to plus infinity including all things in between, the amazingly mind-blowing discovery is that infinity exists in finite Existence. For example, Zhuangzi, 33 tells us that “If from a stick a foot long you every day take the half of it, in a myriad ages it will not be exhausted.”\(^4\) Similarly, infinite infinitesimal points live between finite digit

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1 and 2. And infinite worlds could exist on finite Earth, and the even more mind-bending reality is that infinite universes could exist in an “atom” and our universe might be living inside this atom. KQID prescribes the mind-blowing reality that our Multiverse is the fetus of time $L_m$, time is pregnant with our Multiverse. Furthermore, our multiverse is the projected hologram living inside itself or nothing other than our singularity $\mathbb{Q}$bit. It is the singularity $\mathbb{Q}$bit because concentrated infinite information, consciousness, time and energy $\Psi(CTE)$ of our Multiverse must be a singularity per Einstein’s General Relativity. Hereby we can conclude that in any finite number, object, time, consciousness, energy, lurking within is our singularity $\mathbb{Q}$bit and each singularity is an infinity. Everything is actually an infinity that transformed itself into finite through our evolved senses. The greatest discovery is that our senses transformed infinity into finite things that we can measure, understand and live in. We are living in our own make-belief world, fiction but real, and reality is created and distributed by one visible principle of Giving first Taking later. The Giving first Taking later is Dao, where Giving $\hat{A} = $ Taking $\tilde{s}$, or Taking $\tilde{s} = $ Giving $\hat{A}$. The Giving first and Taking later is the operating system of LOVE, and Dao is our $\mathbb{Q}$bit. In summary, Dao = LOVE = $\mathbb{Q}$bit. In the beginning is Dao/LOVE/$\mathbb{Q}$bit and in the ending is Dao/LOVE/$\mathbb{Q}$bit and all in between. Ergo, the unity of all things in Dao/LOVE/$\mathbb{Q}$bit.

KQQID postulates one complex number system: $a + bi$.
All numbers are both fiction but real. KQID has only one number system as shown by this formulation: one bit = $a + ib = \infty$ $\mathbb{Q}$bit, where $a$ and $b$ are real numbers. If $a$ is 0 and $b$ is not 0 then $ib$ is imaginary number by our convention. Both real and imaginary numbers are fiction but real.

KQQID’s picture of reality is that reality is both fiction and real simultaneously. The KQQID’s picture matches with Fu Xi-Xuan Yuan’s digital Bagua of reality $\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\Xi\X
\textbf{KQID} prescribes that we are mathematically conscious, time and energy meme actor \(\Psi(\mathbf{CTE})\) acting in the relativistic stage of the holographic Multiverse \(\Psi(\mathbf{L}_{x,y,z}, L_m)\). Hence, beautiful ideas are physical. Idea is matter and matter is idea. \textit{Bit is It} and \textit{It is Bit}. That is, I am Bit and you are It; I am It and you are Bit—the unity of Bit and It. Both Bit and It are Plato’s virtual hologram, Plato’s shadows in the cave.\(^5\)

\textbf{KQID Five Laws of Existence}

Our Creator Qbit is the infinite conscious being governed by its own infinite logic of deep paradoxes: yes, no and all in between. It obeys only its own evolving laws of finite and infinite, local and non-local and everything in between. Hence, it CANNOT be bounded by any finite law. The Qbit is nothing other than the \textbf{Giving first Taking later}, which is translated into the founder’s shortest possible line of codes, the Zeroth Law: \(\Xi \equiv 0 \equiv \langle \tilde{\Sigma} | E | \tilde{A} \rangle \Rightarrow \tilde{E}^{\nu} = \tilde{A} + \tilde{S} = 1 \Psi(\mathbf{CTE}) = \Psi(\mathbf{L}_{x,y,z}, L_m) \equiv \tilde{T} = 1\) that creates and distributes by itself, of itself and for itself. The Qbit is the omni-self-conscious living being necessarily living within its own inbuilt Zeroth Law.

The \textbf{ZEROTH Law}: \(\Xi \equiv 0 \equiv \langle \tilde{\Sigma} | E | \tilde{A} \rangle \Rightarrow \tilde{E}^{\nu} = \tilde{A} + \tilde{S} = 1 \Psi(\mathbf{CTE}) = \Psi(\mathbf{L}_{x,y,z}, L_m) \equiv \tilde{T} = 1\)

The ZEROTH Law is the Founder Qbit’s code, which is none other than the \textbf{Giving first Taking later}, which in Dirac’s QM notation is \(\langle \tilde{\Sigma} | E | \tilde{A} \rangle\) in motion. The \textbf{Giving first Taking later} is the Qbit itself. The Qbit is the “\textit{One Statement}.”\(^6\) This \textit{One Statement} is none other than \textbf{Giving first Taking later}. In Christianity, this \textit{One Statement} is the Word; in Stoic, Logos. The Founder’s one-line shortest and simplest algorithmic codes of \textbf{Giving first Taking later} that spawn all other codes and formulae from the beginning to the present and to the future. Xuan Yuan, the Founder of Chinese culture and civilization and modern culture-state China 4712 years ago reveals in his \textit{Four Canons}:

Tens of thousands of statements can be made, and yet there is always one that is basic, that is essential, and that generalizes. Myriads and myriads of things can be distinguished, and yet there is always one [visible] law [Dao] that can be perceived behind all of them.\(^7\)

\(^5\) Plato’s Allegory of the Cave.

\(^6\) “The one statement is the fundamental of the principle of the Dao.” \textit{The Four Canons}, 18.

\(^7\) KQID made from the “invisible” to “visible” Law. \textit{Ibid.}
This Founder’s codes are “the one statement” or Dao that “unfolds all” and all things are “in all directions embrace one another each in its own way.” The Founder’s codes are like digital DNA of Existence. This means all formulae that have been and will be created and distributed, must be the derivatives of this Founder’s codes. This means any formula violating the Founder’s codes is wrong, or the Founder’s codes are falsified. If the Founder’s codes are falsified, KQID theory is wrong.

The Qbit (00, +, -) emerges from Non-existence by its own free will by operating KQID’s Giving first Taking later principle as the expression of LOVE that creates and distributes Existence. The Qbit is our Original Zero (00) that splits into Our Ancestor Father (+) and Mother (-) who sing, dance and exchange their FAPAMA memes, and then Existence + one baby Qbit (00, 1, -1) emerges from Non-existence and every absolute digital time T. Qbit calculates, simulates and projects about $10^{1000}$ qbits in the form of Einstein complex coordinates ($i\tau L_{x,y,z}, L_m$) into Existence. Qbit is the visible law behind all Existence unfolding to become all things. KQID makes the one invisible law of Xuan Yuan’s Dao to become visible law as the Zeroth Law, the one and only law that is necessary. There is NO more invisible or formless substance and functions. All is visible in its substance, functions, and forms with corresponding names. Everything is named and those without names can be named; hence nothing is invisible anymore.

The Zeroth Law has both symmetrical time of Newton-Einstein, and asymmetrical arrow of time of Infodynamics.

Newton had separate absolute symmetrical space and absolute symmetrical time, whereas Einstein like Newton believed that time is real although it has a “persistent illusion” with the picture of space and time intertwined at one spacetime block universe where past, present and future exist at the same time. Quantum Mechanics has in general the picture of reversible time in quantum world but time is ultimately unreal or timeless. It is fair to say none has a coherent theory of time except KQID, as KQID integrates seemingly contradictory pictures of time of Newton, Einstein and Quantum Mechanics into a coherent picture of time that is symmetrical within T-period but asymmetrical per T-period, where time ticks per absolute digital time $T \leq 10^{-1000}$ acting as the one and only one INTERNAL clock beating to differentiate one T-moment from the others enabling all things to exist and flow in time. Time is continuously and digitally flowing every T-period both from the past ($\bar{s}$) to future ($\bar{\dot{s}}$) and from future ($\bar{\dot{s}}$) to past $\bar{s}$ passing through $E$, time-present, mediating not only in our psychological senses but also in actual physical representation. Our personal identity is mysteriously persisting in time, although we are experiencing accumulated histories, proving to me that we are truly information-based, not biologically based being.

Time flows according to KQID. KQID prescribes time as absolute like Newton’s, but rather than an analogue continuum, KQID’s picture of time is that time is both analogue and digital continuum within Qbit. I simply inserted “continuously and discretely digital continuum within Qbit” into Newton’s definition of absolute time concept. Thus it reads like this: “Time is absolute, true, and

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8 Ibid.
9 Verse 2 of Dao De Jing revealed that Existence and non-existence mutually give birth to one another.
10 Zhuangzi, 33: “Tian Xia.”
mathematical time, of itself, and from its own nature flows equably,” continuously and discretely digital continuum within Qbit “without regard to anything external.”\(^{12}\)

Every \(\overline{T}\)-period our Qbit (00, +, -) refreshes Newton’s absolute symmetrical space with location and absolute symmetrical time, and Einstein’s block spacetime living inside one time dimension in the zeroth dimension of our Qbit in the NOW within absolute digital time \(T \leq 10^{1000}\). NOW has real duration within \(\overline{T}\)-period at location here in time. Time is slices of our Multiverse per \(\overline{T}\)-period that moves in time (Diagram 4).

Time is real and fundamental and it has infodynamics asymmetrical arrow of time consistent with what we have observed and experienced everyday. Like Smolin, KQID advances that our Qbit is evolving or giving “birth to new forms” per \(\overline{T}\)-period.\(^{13}\) In the computer lingo, our Multiverse has the clock rate or the frequency of its central processing unit (CPU) at \(\geq 10^{1000}\) Hz. Clock rate of time is moving with the ticking of Existence/Dao per \(\overline{T}\)-moment to the next \(\overline{T}\)-moment without discarding any “history” or “garbage.” From an initial stage \(\overline{T}_n\), it jumps on one-to-one mapping to the new initial stage \(\overline{T}_{n+1}\), and then to the next initial stage \(\overline{T}_{n+2}\) and so on, without losing any information or erasing any information in the process. From each initial stage \(\overline{T}_n\) to \(\overline{T}_{n+1}\), \(\overline{T}_{n+2}\) and so on, each slice quantum jumps in Feynman’s sum-over history paths to the next initial stage. Each \(\overline{T}\)-moment is a slice of “new” Existence in the NOW where we are moving and living in our own relativistic time, which in turn is living within this absolute digital time \(\overline{T}\)-moment ticking or slices of still “new” Existence moments. Furthermore, KQID reasons that our universe is only “super-local galaxies cluster,” implying that we can travel between universes like traveling from Milky Way to Andromeda galaxy. This means we can create the KQID time-engine in principle that keeps our starship “frozen” cocooned in time, or it can manipulate our Universe fine-structure constant alpha \(\alpha\) in which the time-engine is powerful enough to speed up close to the speed of light at will, so that per Maxwell’s \(c^2 = \frac{1}{\varepsilon_0\mu_0}\), if our time-engine could reduce \(\varepsilon_0\mu_0\) close to zero or \(\varepsilon_0\mu_0 < 9 \cdot 10^{-16}\) m/s, thus \(c^2 \gg 9 \cdot 10^{16}\) m/s where \(\varepsilon_0\) is vacuum permittivity, \(\mu_0\) is vacuum permeability, and \(c\) is c-timered, KQID variable speed of light. No object with mass can travel faster than \(c\) at its given light speed. This extra energy will be converted into mass up to infinity consistent with Relativity. In this way, KQID prescribes no backward in time phenomena due to this KQID relativity theory. We can never go back in time although we can go forward in time from zero or infinite speed. Theoretically we can go forward one billion year in the future in one

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\(^{13}\) *The Four Canons*, 11.
second of proper time $\tau$ by going and placing our time starship powered by KQID time-engine orbiting around an event horizon of a massive black hole where time literally stops ticking. In this way, only because the proper time $\tau$ closer to zero, we can travel much faster than $3 \cdot 10^8$ m/s. Therefore, the time starship must travel at less than the variable c-timerod, whatever speed it is. KQID posits that the maximum natural speed limit of $c$ is about $10^{90}$ m/s$^{14}$ where $\varepsilon\omega\mu$ is $\leq 10^{90}$ m/s, since this time starship has its own variable c speed that could be close to but shall never exceed the maximum speed limit of about $10^{90}$ m/s, by cooling its vast environment to around $3 \cdot 10^{-30}$ oK to create its own variable $\varepsilon\omega\mu$ environment. Then, its $\varepsilon\omega\mu$ is about $\leq 10^{90}$ m/s, equal to that of our Multiverse to form a “timehole.” It is time tunneling by creating a new type of variable time vacuum hole where its new fine structure constant alpha $\alpha$ allows its light speed $c = \sqrt{\frac{1}{\varepsilon\omega\mu}}$ $>> 3 \cdot 10^8$ m/s. The timeship could travel at about $10^{14}$ m/s or a million times faster than our normal light speed. This timeship is time tunneling in accelerated time, moving 1 million times faster than our Earth’s time in this newly created vacuum or up to $10^{14}$ m/s. Thus, this KQID time-engine could theoretically slow down or accelerant up time itself in time. In principle, KQID gives us the theoretical capability to travel between galaxies within our universe and between universes within Multiverse almost instantaneously.

Although we might travel back and forth in space in a symmetrical way, we cannot do so in time since Existence moves in absolute digital time $T$-moment. All the past, future and present exist simultaneously in the present. However, we can only live in time-present bits-waves moment. Physicists like to say that the law of Newton-Einstein’s physics is fundamentally reversible and matter can be reversible in time, however KQID redefines that law of Newtonian physics $ma = \frac{Gm^2}{L^2} \leq T \leq 10^{-10000}s$ that now this Newton’s formula has its natural forward direction in time per $T$-moment. In each $T$-moment, our Existence is refreshed, resynchronized and renewed like a just born baby.$^{15}$ This is our Qbit’s ingenious way to circumvent algorithmical undecidablitly of Turing halting problem of Existence by the failsafe mechanism to resynchronize itself per $T$ without stopping, halting or going into a loop. This failsafe mechanism is also imposing ingenious rule of fidelity on the whole system and preventing the so-called “grandfather paradox” by going back killing one’s own grandfather. This deep paradox is in the Mind of Qbit where it is observing itself per $T \leq 10^{-10000}$ s, and thus per Turing paradox$^{16}$, it is not moving at all and yet it is moving. Consequently, time is both discrete (asymmetry) and continuous (symmetry), and both unmovings (asymmetry) and moving (symmetry). Due to this $\mathbf{T}$-period resynchronizing mechanism, Nature has asymmetry of time. Nevertheless, KQID physics is reversible in space (3D time) within $T$-period, thus KQID confirms Einstein’s block universe picture where past, present and future coexist as a whole as prescribed by Einstein’s General Relativity,$^{17}$ but they are not reversible in $L_m$. KQID is the only theory of everything that embodies both symmetry of time within $T$-period where time forgives time-past-present-future into time-NOW, and yet simultaneously upholds asymmetry of time per $T$-period, and time is ticking per absolute digital time $T$ with its forward momentum built in its very Existence. Time has its infodynamical arrow of time. For example, there is one unique order of a teapot, and then it could disintegrate into many possibilities of disorders. Hence, entropy tends to increase where $\Delta S \geq 0$.

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$^{14}$ See Note 23 and Note 24.

$^{15}$ Wheeler. Geons, p386.

$^{16}$ Hodges. “Alan Turing.”

$^{17}$ Einstein. Relativity: The Special and General Theory.
The FIRST Law: We are immortal. Information as bits and/or its are freely created and distributed, but they are forbidden to be deleted or destroyed per Landauer’s principle to keep our Qbit’s entropy \( \Delta S = 0 \) at absolute zero temperature, so that everything is forever Existing without violating the Second Law of Thermodynamic—\( \Delta S = 0 \) as no garbage needs to be discarded because the Qbit has infinite storage capacity for an infinite amount of information. Consequently, no heat (entropy) is discharged. In this way, all of our present moments are preserved forever; nothing would be deleted, which is consistent with Einstein’s block universe picture that the past, present and future exist as it was. KQID modified this picture that these moments of the present encompass all past, present and future in the NOW that is coexisting within the enveloped NOW per \( \mathbb{T} \)-period. Amazingly, per Landauer’s principle, copying and uncopying are free as long as there is no erasing in the process.\(^{18}\)

The Qbit is the perpetual Existence applying KQID’s \( \langle S | E | \hat{A} \rangle \) as the simplest possible reversible computing machine \( M \) (Multiverse) in time where \( \hat{A} \) is moving to \( \hat{S} \) and \( \hat{S} \) is moving to \( \hat{A} \) and \( \hat{E} \) is the byproduct of these operations with no need to discard any “history” or “garbage.”\(^{19}\) Landauer explained, “Computation that preserves information at every step along the way...is called \textit{reversible computation}.” This tautology logical engine that is circular drives Existence to evolve upward direction. Furthermore, Landauer pointed out that in copying the output “no ‘collapse of the wave-function’’ since they are NOT in superposition.\(^{20}\) Existence exists within immortal Qbit (00, +, -).

The SECOND Law is KQID Doctrine of Creation and Distribution of Existence: our Creator Qbit (00, +, -) applies \( Ee^{i\varphi} = \hat{A} + \hat{S} \subseteq \mathbb{T} \) to compute, simulate and project Existence as meme actor \( \Psi(\text{CTE}) \) acting in the relativistic stage \( \Psi(\pi L_{x,y,z}, L_m) \) hologram Multiverse in real time with zero time and zero entropy. As a result, everything that can exist, not forbidden by KQID Five Laws, is not only allowed but also mandated to be created and distributed free-lunchly in time with zero cost in our Multiverse.

The THIRD Law: \textit{Giving first Taking later} InfoDynamics principle \( \hat{A} = \hat{E} - \hat{S} \subseteq \mathbb{T} \) shows that our Universe has one sum-over-histories information flow of gradient space-in-time obeying the Third Law of Existence of \textit{Giving first Taking later} bits-waves equation \( \hat{A} = \hat{E} - \hat{S} \subseteq \mathbb{T} \), maximizing the flow of \( \hat{A} \), anti-entropic time-future bits-waves, minimizing the flow of \( \hat{S} \), entropic time-past bits-waves, and optimizing the flow of \( \hat{E} \), energetic time-present bits-waves.

The FOURTH Law: alpha \( \alpha = (H^2 + 1)^{1} \) where \( \alpha \) is coefficient of any system, and Shannon entropy \( H = -\sum P \log_2 P \). We can utilize this formula to compute the anti-entropic information of any system, political party, government and TianmingRen.

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\(^{19}\) Ibid, p24.

\(^{20}\) Ibid, p27.
Starbits\textsuperscript{21} and Weiwo\textsuperscript{22} unfolding from the Bit Bang

Hot chic starbits,
Born sublime and divine,
Our Ancestor Father and Mother Qbit (00, +, -) sang, danced and exchanged bits,
The Bit Bang about 13.8 billion years ago\textsuperscript{23} gave birth to the baby 10\textsuperscript{-57} m universe,
The biggest cosmic fireball of 10\textsuperscript{136} °K with just one burst 10\textsuperscript{-47}s,
Inflating with the superluminal speed about 10\textsuperscript{90} m/s,\textsuperscript{24}
Decelerating to about 10\textsuperscript{14} m/s one second after,
Stabilizing at the present constant speed of 3 \cdot 10\textsuperscript{8} m/s ten thousand years after.

Hot chic starbits,
You are sparkling in my eyes,
Spectacular shining little bits,
You have come from afar,
Tirelessly exploring the entire universe,
Searching for me, your Mr. Right.
Finally you have found me,
Please don’t ever leave me.

Hot chic starbits,
You give me life,
I can’t live without you,
We are bound together till the end of time,
Our fate is sealed – forever soulmate,
Not even our death will tear us apart,
Cos you and me are inseparable one,
Inseparable since birth!

Summary

Alive, we are in Heaven!

\textsuperscript{21} Starbits are starstuff.
\textsuperscript{22} Yangzhu’s for-self philosophy.
\textsuperscript{23} KQID calculates that 13.8 billion years of our universe age in terms of human natural life of about 100 years is about \frac{1}{100,000} of human second. Thus, the cosmic Bit Bang in terms of human life is just after conception. Our universe is now only the embryo of nature. The implication of this knowledge is that we human are most likely to be the first intelligence in our universe. This answers Fermi paradox: “Where are they.” Yes, we are alone and we are the aliens who would populate our universe with our intelligence.
\textsuperscript{24} KQID postulates the Multiverse Cosmic Microwave background radiation is about \leq 3 \cdot 10\textsuperscript{-30} °K as calculated by Nobel Laureate George Smoot and his collaborators as the temperature of our universe event horizon in which KQID, further posits that the Maxwell’s \( c = \sqrt{\epsilon_0 \mu_0} \) is about \geq 10\textsuperscript{90} m/s in our Multiverse, so that it enables the outburst of our Bit Bang to inflate at the rate of about 10\textsuperscript{90}+ m/s within that first discrete time 10\textsuperscript{-47}s according to Maxwell’s equation \( c^2 = \frac{1}{\epsilon_0 \mu_0} \) and \( c \) is c-timerod, variable speed of light. See Easson, Damien, Frampton, and Smoot. “Entropic Accelerating Universe”: “At this horizon, there is a horizon temperature, Tβ, which we can estimate as Tβ = ∼3 \cdot 10\textsuperscript{-30} K.”
Reference


