

Chinese Dream is Xuan Yuan's Da Tong ¹

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*I would rather be a bumblebee poet than not to be,
Red lantern pearls of Wang Yangming's blood and tears are lighting up paths in darkness,
I sing and dance Xuan Yuan's Da Tong.*

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Xuan Yuan's Lifelong Goal for Mankind in Xuan Yuan era 1 X.Y (2697 BC):



From the Heaven I have received the mandate... On the Earth I have gained a footing, and from the people I have won endorsement ... Revering the Heaven, cherishing the Earth, and holding the people dear, I help the disorientated find the right direction for their lives... I help the well orientated carry on their lifelong missions, and I make them prosper. ²

Historically, we can reasonably conclude from the above Xuan Yuan's mission, he could be regarded as the first leader and the first human rights lawyer for mankind. He advocates that man has the unalienable rights to pursue his/her own personal goal in life. He promotes peace and prosperity. He advocates for human life, Yang Zhu's six freedoms and human dignity. Everyone has the right to pursue personal happiness and to strive to be healthy and wealthy. He advocates women's equality. For example, Leizu, his wife, discovered silk and invented both silk farming and silk loom method. She also pioneered in silk manufacturing industry in the world that made Chinese culture and civilization the envy of the world. Chinese silk was exported to the known world. Julius Caesar's Roman aristocrat ladies were known to wear this sexy silk fabric.

¹ Expanded from *Chinese Dream is Xuan Yuan's Da Tong* by Leo KoGuan, FQXI Essay Contest 2014 (<http://fqxi.org/community/forum/topic/2097>)

² Quoted from Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 10: Lifelong Mission*.

The sage Kongfuzi (551 BC-479 BC) loved Xuan Yuan's culture and said: *"I transmit but do not create. I love and believe in the teachings of the ancients..."*³ Xuan Yuan's culture has been embedded in the fabric of Chinese culture and civilization. As the Founder and Father of Chinese culture and civilization, Xuan Yuan lived more than 2000 years before the sage Kongfuzi, his mission of life for mankind has been the mission of Chinese culture-state. His DNA is the Chinese DNA. Naturally the sage Kongfuzi edited and summarized the Xuan Yuan's Da Tong in Li-Yun-Da-Tong of the Book of Rites.

Xuan Yuan's Da Tong of the Great Harmony for all sentient beings:

*When the Great Dao ... prevails, the world is like a Commonwealth State shared by all. Virtuous, worthy, wise and capable people are chosen as leaders. Honesty and trust are promoted, and good neighborliness cultivated. All people respect and love their own parents and children, as well as the parents and children of others. The aged are cared for until death; adults are employed in jobs that make full use of their abilities; and children are nourished, educated, and fostered. Widows and widowers, orphans and the old without children, the disabled and the diseased are all well taken care of. Every man and woman has an appropriate role to play in society and in the family. They hate to see resources lying idle or being cast away, yet they do not necessarily keep them for themselves. They hate not to make use of their abilities, yet they do not necessarily work for their own self-interest. Thus intrigues and conspiracies do not arise, and thievery and robbery do not occur; therefore doors need never be locked. This is the ideal world – a perfect world of equality, fraternity, harmony, welfare, and justice. This is the world called Da Tong.*⁴

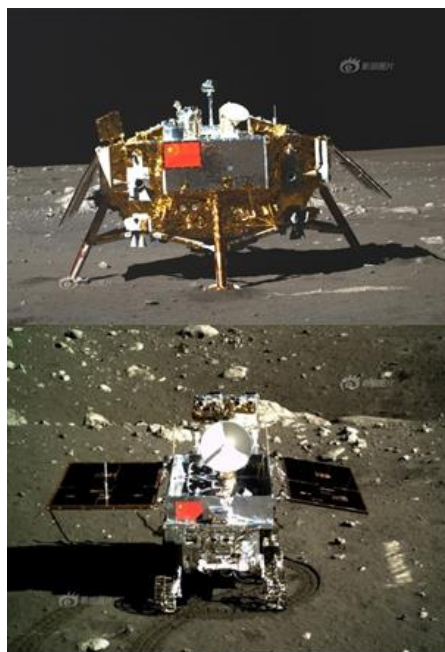


Diagram 1

The simplified version of the Chinese Dreams is: ***From each to each according to his/her dreams and aspirations.***

President Xi Jinping confidently in realizing the Chinese Dreams said: *"We are closer than in any other time of history to the goal of rejuvenating the Chinese nation. We are more confident and capable of achieving this goal than in any other period of history."*⁵ Chinese dreamed to travel to the moon, and they created the Chang'e legend who flew to the moon. This dream has been partially realized, because last year on Dec. 14, 4710X.Y (2013), China's Chang'e 3 with her pet Yutu (Jade Rabbit rover) actually landed on the moon (See Diagram 1). Soon this will be followed by actual landing of Chinese men and women to the moon by 4717 X.Y (2020).

Before it was only a beautiful dream, now it is a reality. Similarly, we have dreamed Xuan Yuan's Da Tong for about five thousand years, but now as President Xi said above that we are closer than ever before and have the necessary know how and the will power to achieve Xuan

³ Quoted from Analects 7:1.

⁴ See <http://my.opera.com/Aprilsnow/blog/index.dml/tag/Confucius>

⁵ Quoted from President Xi Jinping's speech at Closing of the first session of the 12th NPC, *Pursuing dream for 1.3 billion Chinese*, See http://news.xinhuanet.com/english/bilingual/2013-03/17/c_132240431.htm

Yuan's Da Tong within our generation. With KQID⁶ super powerful engine applying the Five Laws of Existence and KQID Ouroboros Equations of Existence to power Xuan Yuan Anti-entropic Operating System 2.0, we can achieve the state of Da Tong as soon as by 4746 X.Y (2049).

Many foreign and Chinese legal scholars believe that China has never developed her own version of Rule of Law and Principle. This view is not only illogical but also just totally wrong. Like any language has its unique grammar, Chinese five thousand years of continuing civilization has her own unique Scientific Outlook Rule of Law and Principle derived directly from Xuan Yuan Dao⁷. One cannot use Chinese grammar to judge whether or not English language has English grammar or vice versa. One will find a wrong conclusion that English language has no grammar because it does not have Chinese grammar and Chinese characters in it and vice versa. This is just pure fallacy of logics. One can state his/her opinion that American Rule of Law is good or bad but one cannot conclude that there is no American Rule of Law. This is just silly and plain wrong. Similarly, one judges that Chinese Rule of Law and Principle is good or bad, but one cannot conclude that it does not exist. This common sense approach has been proven correct by the earthshaking discovery of the silk manuscript in 4670 X.Y (1973) in Mawangdui that was buried in 168 BC that contains Xuan Yuan's Four Canons that clearly stated in plain language that from Dao come laws and principles.⁸ Furthermore, the ancient sacred text of Xuan Yuan orders that a society must develop her own version of Scientific Outlook Rule of Law and Principle to govern any society.⁹ Every society must follow her own unique culture and civilization with her unique laws and principles embedded within. These laws and principles are the standard yardsticks that curb any undesirable acts from everyone including king and his ministers.¹⁰ Historically, Xuan Yuan is the first leader of mankind who advocated and implemented the first Scientific Outlook Rule of Law and Principle on earth. Let's all unite and together solemnly declare to the world once and for all that since the founding of MODERN culture-state China in 1X.Y about 4711 years ago by our cultural hero Ancestor Founder Xuan Yuan and His Co-founders, China has already developed a very sophisticated concept of Scientific Outlook Rule of Law and Principle based on "*Loving the People*" or "*People-first*" Principle¹¹ :

Firstly, **Xuan Yuan's Mandate of Heaven**, the world's first written super constitution that authorizes anyone to remove or/and kill any tyrant¹². All tyrants like Hitler, Mussolini, Tōjō and Zhou, the last king of the Shang dynasty removed by the people, don't have the right to rule even if they are legally elected or appointed.¹³ Rulers' rights to rule are **CONDITIONAL** upon their just rule that brings Humanity and Justice to all that enables every citizen to have free education, free health care and free material wealth in peace. A tyrant must not be able to run and hide anywhere, eventually he/she must be captured and prosecuted according to a fair and just due process of law of humanity. For examples, both Hitler and Zhou committed suicide, Hitler by his pistol and Zhou by fire. Whereas Mussolini was shot and his

⁶ KoGuan Quantum InfoDynamics (KQID)

⁷ See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 1: The Dao and the Law*.

⁸ See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 1: The Dao and the Law*. Law is like the Sun's Yang hard power, whereas principle is like the Moon's Yin soft power; a society needs both hard and soft powers balancing each other. Also see Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 9, Names and Principles* and *15: Tribal Strife*.

⁹ See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 8, On the Covenant* and *9, Names and Principles*.

¹⁰ See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 1: The Dao and the Law*.

¹¹ See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 10: Lifelong Mission* and *3: Upright King*.

¹² See Sherwin Lu, Trans. *The Yellow Emperor's Four Canons, 14: Order out of Chaos*.

¹³ Mengzi stated that a king was not a King but a bandit if he robbed and killed his own people. See *Lianghuiwang, Mengzi*.

corpse was hung upside down; and Tōjō was convicted war crimes and executed by hanging.

Secondly, **Xuan Yuan's Jurisprudence is Dao** that from this Xuan Yuan Dao comes directly the Scientific Outlook Rule of Law and Principle that is embedded with the **Five Mandates of Heaven** as our super constitution: **Humanity, Justice, Yang Zhu's Six Freedoms, the Unity of Rights and Duties and a Regulated but Free and Open Market System**. These Five Mandates are super constitution of all earthlings. Since these Laws and Principles are the same standard yardsticks for all; and all shall be judged upon them equally by these standard yardsticks derived directly from the supreme rational Dao. These standards must allow everyone to understand, predict and follow the laws and principles. Neither earthling including kings, nor any organization nor any political party has the authority and power beyond these Laws and Principles; furthermore, everyone and organization are mandated to be treated equally under these same standards without any exception. Consequently, everyone is free from prosecution, penalty and arrest without a fair and just due process of law; free from fear of undue search and seizure; free from tortures; free to practice Yang Zhu's six freedoms; and free to be let alone, wuwei living in harmony with nature.

The great reformist scholar-statesman Shang Yang of Chin clearly wrote in his book that during Xuan Yuan's rule, even the punished criminals “*were not angry*”¹⁴, because the punishments were just.¹⁵

Thirdly, **Xuan Yuan's Da Tong**¹⁶ is the mission of this culture-state to realize Chinese Dream that each is being taken care of in which each including alien, cyborg and self-conscious robot has free education, free health care and free material wealth. To do that we must establish Xuan Yuan Anti-entropic Operating System 2.0, Scientific Outlook Rule of Law and Principle, and the Scientific Outlook Free-Lunch. The free-lunch system means from nothing comes something; whereas No-Free-Lunch system from something comes something else. Then you have two costs: one you have to pay that something and then you have to pay the transformation of something into something else. Whereas, the free-lunch system has free-nothing into free-something. This free-something into something else free because the energy that we use to transforms things is also free energy from photon A that is given to us for free by our Ancestor ㊦bit. Cosmologist Alan Guth pointed out that our expanding universe is the “ultimate free lunch” system coming out of nothing. If our universe can be created out of nothing, there is no reason why we cannot have a free-lunch economic system in any country. We didn’t have the free-lunch economic system because we did not have the free-lunch engine to drive this free-lunch system and its super-infrastructures. Fortunately, Xuan Yuan's system has KQID free-lunch engine and its legal and economic super-infrastructures that we need to build the Scientific Outlook Free-Lunch System.

This Free-Lunch Economic System is based on our Ancestor FAPAMA Singularity ㊦bit's Giving first Taking later principle that empowers everyone to keep his/her pure Mengzi's child-heart¹⁷ to freely play with joy, fun and happiness while pursuing his/her dreams and aspirations. Thus,

¹⁴ The King said: “...Fu Hai and Shen-nung taught but did not punish; Huang-ti, Yao, and Shun punished, but were not angry...”

See J. J. L. Duyvendak trans. *The Book of Lord Shang*.

¹⁵ In essence, the Yellow Emperor advocated a simple rule of law and principle: everyone is equal before the law and no one, including the Emperor himself, is above the law. Under his rule of law and principle, the people were content to be ruled: “Those who are rewarded would not be grateful while those punished bear no grudge, because rewards and punishments are appropriate and deserved.” Quoted from Leo KoGuan's article, *The Yellow Emperor's Hypothesis*; Sherwin Lu trans. *The Yellow Emperor's Four Canons 3: The Upright King*, <http://www.xinfajia.net/english/4186.html>

¹⁶ See *The Yellow Emperor's Four Canons, 10: Life Long Mission*.

¹⁷ Mengzi said “The great man is he who does not lose his child's heart...” Mengzi, *The Superior Man*. <http://www.humanistictexts.org/mencius.htm>

because each is working for his/her dreams and aspirations, everyone is super creative, super innovative and super productive in his/her creation and distributions of his/her objects of desire. Imagination and creativity drives the KQID engine to power this Free-Lunch Economic System. The KQID super powerful engine applies the KQID Five Laws of Existence and KQID Ouroboros Equations of Existence to power this System. This KQID super powerful engine uses nature's power to create something out of nothing. In other words, something is free without cost to our Multiverse. In our Xuan Yuan's Da Tong society, we can deploy this KQID engine to extract the Sun's power and its derivatives like fossil fuels, foods to create and distribute all objects of desire with closed to zero incremental costs. In fact this type of economic phenomena has been developed even in our No-Free-Lunch system. The internet has already driven few industries closed to zero marginal costs. For examples are Google, Baidu, Sina, Tencent, Microsoft and Alibaba Group. These companies incur almost zero marginal costs for additional customers. We are bringing more and more industries into the orbit of this internet economy. The Free-lunch Economic System would create and distribute most objects of desire almost free for all to enjoy. Soon we all have 3D printers on our desks to print many objects of desire at will. For example, we already have Espresso machines to print Espresso coffees. We already printed artificial hips and knee caps to replace our damaged hips and knee caps. Later, we will print/grow our new kidney, lung and heart to replace our old kidney, lung and heart. We already 3D printed parts for houses, cars, airplanes and rockets. In the near future, we shall just print houses, cars, airplane and rockets in our garages. We shall print our foods in our kitchens. Sooner rather than later, we shall realize this Xuan Yuan's Da Tong as early as by 4746 X.Y (2049).

Man is born free but enslaved everywhere by No-Free-Lunch Economic System, the economic and philosophical paradigm of today. None escapes from this false myth. The paradigm of slavery enslaves the poor as well as the rich. No free-lunch system perpetuates the paradigm of scarcity. Scarcity is created out of ignorance. Scarcity is ignorance. Scarcity induces the famous Cao Cao's philosophy that he rather betrays the whole world than to have one person betrays him.¹⁸ Scarcity induces a zero-sum game; each is warring all to gain something at the expense of all. Scarcity causes everyone to lie and deceive to gain advantages against all. Moreover, scarcity produces repressive and oppressive system. Ultimately, scarcity produces totalitarian system. Scarcity is NOT a virtue: No human rights and no human dignity. None escapes from it. In this system, the rich, the poor, the powerful as well as the powerless live in fear for their lives and safeties.

We must purge this false myth of scarcity. We must eliminate ignorance. Ignorance is not bliss but hell. Ignorance kills people. We must promote wisdom and knowledge. Knowledge promotes abundance. Abundance is knowledge. Abundance is virtue. Abundance induces a win-win game; each is helping one another for a win-win outcome for all. Abundance brings life to live freely. Abundance brings human rights and human dignity in practice, not in empty promises. Abundance brings about Xuan Yuan's Da Tong: from each to each according to his/her dreams and aspirations. It is achievable. It is practical because since the discovery of KQID, we have the Da Tong's engine. Da Tong must be powered by Da Tong's engine.

Whereas the obsolete paradigm of scarcity is in life support based on the false myth that there is no free-lunch system. We have been conditioned to think in terms of this false paradigm as the eternal truth. Since Existence exists free-lunchly, this doom and gloom paradigm is falsified. Once this false myth is

¹⁸ Cao Cao told Chen Gong after he discovered that he wrongly killed his benefactor Lü Boshe and his household who were helping him.

debunked, the life support of No-Free-Lunch system crumbled by itself. The Free-Lunch Economic System powered by KQID free-lunch engine debunks the false prophet of doom and gloom. This false prophet hangs its doom and gloom with a single thread of prophesy that there is no free-lunch system anywhere possible. Once we cut loose this falsehood thread of doom and gloom and let this false myth falls by itself into Hell where it belongs. Then, we can bloom our collective hope of Xuan Yuan's Da Tong and grow our dreams and aspirations in the earthly Heaven.

Now we do have KQID free-lunch engine. Xuan Yuan's Da Tong is within our grasp. We must have Da Tong if we want our children's children to live and prosper. It is not a choice; it is a mandatory. We are Xuan Yuan's soldiers fighting for Xuan Yuan's Da Tong for all humanity. Xuan Yuan Anti-entropic Operating System 2.0 incorporates Scientific Outlook Rule of Law and Principle and Scientific Outlook Free-Lunch Economic System powered by the free-lunch engine espouse Xuan Yuan's paradigm: man is born free and remains free for the rest of his/her life. He/she is free and unchained everywhere. Slavery system of any kind shall be abolished for good because there is no longer a necessity for it. Slavery system anywhere shall go into the dustbin of history. Let's unite and march onward toward the promised land. Never say never. We say yes to Xuan Yuan's Da Tong.

Unchained, we are free at last!

1. Free from slavery of paying the interest and loan back. No one needs to work as a slave to pay back capital and interest to banks in order to have a decent house, decent car, decent education, decent health care and decent living. All borrowing including student loan, mortgage of one's house, personal loans of any kind shall be by law without personal guarantee. Banks are obliged to know the credit worthiness of their customers. Banks must know their customers thoroughly. They must treat their customers with respect. Consequently, more small community banks incorporated to serve local customers. These banks will prosper because they know their customers and their families well. By law banks must assume lost if the borrowers don't have the ability pay back the loan and its accumulated interest payments. Therefore the burden of the ability to pay will be placed on the banks, not on the customers.

2. Free from income tax and sale tax. Eighty percent of taxpayers pay no tax whatsoever. Only the top 20% of the income earners will pay tax to reduce income inequality between the rich and the middle class. Because for example in 4704X.Y (2007) in America, the top 20% of households owned 85% privately held wealth and 80% of American households owned only 15%.¹⁹

Three tiers income tax structure of the Free-lunch Economic System:

1. Marginal income tax 10% for the top 20%:
2. Marginal income tax 20% for the top 4% (20% of the top 20%); and
3. Marginal income tax 40% for the top 0.8% (20% of the top 4%)

3. Free from catastrophic Insurance of all types, thus under this Free-Lunch regime, there shall be no fear of bankruptcy caused by catastrophic incidents.

4. Free education, free-health care and free minimum material wealth. Free from worry of not having foods, drinks and air conditioned houses. Each citizen shall receive RMB 5 million on his/her 18th birthday into his/her own private bank account. A family of four shall accumulated not less than 50 million RMB by the 68th birthday of the breadwinner. Each shall choose his/her registered and approved

¹⁹ See http://en.wikipedia.org/wiki/Distribution_of_wealth

portfolio money advisors. Each shall choose entrepreneurship/R&D/inventor mentor. Free to go or not to go to college, however learning is a lifelong pursuit. Creativity, innovation and productivity are valued and encouraged. Each is encouraged to work on pursuing his/her dreams and aspirations.

5. Free from unwanted and boring jobs. Most jobs would rapidly be automated. Self-piloted taxis and trucks would be roaming our roads; taxi and truck drivers would be no longer needed. Self-piloted planes filled the sky to take us to any place and at any time. Robotic farming and robotic manufacturing would be common place; thus, non-creative and non-innovative works would be gone with the wind. Robotic doctors, engineers and scientists would accelerate human progress. We shall live a very long and very healthy life. We would be free from doing mundane chores. Each is free to do what he/she chooses to do. No distinction between works and plays. Works are delightful plays; plays are joyful works. As Arthur C. Clarke cleverly put it: "*The goal of the future is full unemployment, so we can play.*" ²⁰

Scientific Outlook on environment

We must be environmentally conscious beings. We live in Gaia. We are inseparable parts of Gaia. We are Gaia's creatures. Gaia's health and wellbeing is also our health and wellbeing. Our health and wellbeing are intertwined with the health and wellbeing of our environment. We understand clearly that our environment is given to us for free but it is NOT free to keep it clean and healthy. Our Ancestor Xuan Yuan is a rational environmentalist. He solemnly declares his love of his lands. He CHERISHES Earth. He not only transforms Earth into objects of desire for human's wellbeing but also respects, takes care and lives with nature seamlessly. He declares: "*Revering the Heaven, cherishing the Earth, and holding the people dear...*" Yes, we must put the value and price on our environment as important part/cost of any Scientific Outlook on Development of Free-Lunch Economic System. Clean and healthy environment is not free in our Free-Lunch system. We must incur costs to maintain and even improve our environment. However, these costs are paid for using our free energy. Thus, this useful free energy to do works is actually free to us and free to our Multiverse, although it is not free to our universe. KQID time-engine would enable us to possess truly unlimited power that would enable us to recycle all atoms in our garbage/wastes back into our objects of desire. Since all atoms are identical in time, we use and reuse about approximately 10^{50} atoms of our Earth and about 10^{80} atoms of our universe again and again. Best of all, atoms are free. Yes we shall develop our 3D printers to utilize atoms as our raw materials. We shall turn on our creation and distribution engine to create and distribute abundant goods of desire from our wastes. We recycle our wastes into products. We develop waste nothing society. In the beginning, we are using molecules and proteins which are costly as the raw materials of our 3D printers. We have to use energy/heat/entropy to make molecules and proteins from other sources. In the future, we should be able to use atoms directly as our raw materials. We are entering a semi-free-lunch system era, but without KQID theory, we just couldn't understand it. Actually, we are made of recycling earth's atoms and atoms from alien asteroids that bombard earth regularly. Additionally, we are born with atoms from Fu Xi, Nüwa, Xuan Yuan, Kongfuzi, Menzi, Laozi, Zhuangzi, Yang Zhu, Buddha, Jesus Christ, Mohammad, Jefferson, Einstein, Mao and all our dead ancestors. We are also inhaling and exhaling those recycled atoms from among 7 billion people living today and all people, animals and plants ever lived on earth. In other words, we are all made from the recycled atoms. Rationally, we must do the same and we shall reuse again and again those recycled atoms from our waste products to create

²⁰ See Erik Brynjolfsson, Andrew McAfee, *the Second Machine Age*, p.176, 305, W. W. Norton & Company, 2014.

and distribute all objects of desire at will.²¹ Furthermore, further down in the future, say about a million years later, we will develop and accumulate god-like Wang Yangming's unity of knowledge and action; we can even use abundant qbits/bits as raw materials to create, distribute and manipulate Existence at will.

Existence is a miracle. Existence is impossible and yet we exist. We are actually in the border of being dead and alive; it is Leibniz's best of all possible worlds. Newton-Thermodynamics-Maxwell-Einstein-Quantum Mechanics have powerful engines that put man on the Moon to fulfill our long desire. However, it is only good enough to support No-Free-Lunch Economic system. No free-lunch engine is powering no-free-lunch system. As Noble Laureate economist Milton Friedman bluntly summed it up: "*There is no free lunch!*" The star scientist of this No-Free-Lunch system is the great genius Einstein whom I idolized and who modestly stated that we could not comprehend how we can comprehend nature. It is taboo to ask the "why" questions. He stated precisely the paradigm: "*The most incomprehensible thing about the universe is that it is comprehensible.*" Later great Feynman upheld this paradigm by telling physicists "to shut up and calculate" philosophy. This paradigm was true before KQID. KQID theory of everything understands not only why we comprehend nature but also KQID reveals what, how and why Existence. KQID in principle could modify and enhance Existence. Logically, Free-lunch engine powers free-lunch system. KQID is the super powerful free-lunch engine. KQID Ouroboros Equations of Existence embeds God inside the equation. Thus, KQID Anti-entropic engine would give us god-like power to enable us not only to live a god-like existence but also to prevent us from extinction. We need KQID to continue to exist from the imperative of Non-existence. KQID anti-entropic system is designed to fight against the imperative of Non-existence powered by the universal entropic power of the Second Law of Thermodynamics $\Delta S \geq 0$ that pulls down order into disorder. KQID builds order out of disorder by supplying energy A , anti-entropic force, into a system to temporarily allow to decrease entropy locally and temporarily $\Delta S \leq 0$, so that we continue to exist. We escape from the clutch of entropic force S . We run fast enough to be just one step away from annihilation in the nick of time of \dot{T} , absolute digital time $\leq 10^4$ -1000seconds. Thus KQID must exist in the best possible world. KQID not only mandates us to exist but also to improve the state of Existence. We can and will hack nature's operating system the Zeroth Law: $\exists \infty \ni \langle \tilde{S} | \tilde{E} | \tilde{A} \rangle = \tilde{E} e^{i\tau} = \tilde{A} + \tilde{S} = i\Psi(\tilde{C}\tilde{T}\tilde{E}) = \Psi(\text{itr}_{L_{xyz}, L_m}) \subseteq \dot{T} = 1$. Yes, as we speak, we are hacking Nature's operating system without even knowing it. We tweak and enhance nature with a grave caveat. It must be governed by the Scientific Outlook Rule of Law and Principle, if not we all shall be extinct by our own invention. For examples:

1. By our own final creation. We are now developing **self-aware Super Artificial Intelligence (SAI)** that can learn and rewrite its own operating system itself. It can unlimitedly reproduce its kind. This SAI would have billions or even trillions times more intelligent than non-enhanced or non-augmented humans.²² This new super being would double its intelligent every two years. Thus, we have no choice, but we must enhance and augment ourselves to merge with this SAI to enable ourselves to become super beings equal to our own creation SAI beings. This way we will evolve into a new species by our own hands, rather than mostly by nature's invisible dice. If we don't keep up, we shall be left behind as we had left behind our previous direct ancestors apes, fishes and single cell amoebae. Yes, we the Homo

²¹ There was a joke about God and man. Man boasted: "I am equal with you because I can create everything that you have created." God then retorted: "Yes, but please use your own atoms!"

²² See James Barrat, *Our Final Invention: Artificial Intelligence and the End of the Human Era* (2013)

sapiens are the final invention of our ancestors. We look down upon them as our inferior animals that fit to be slaughtered as our foods. We eat them. Similarly, if we are not vigilant, our own created autonomous SAI would seal our fate: **extinction**.

2. Alternatively by our own **new artificial species**. Last week announced on May 7th, we have created new biological species that we could accidentally or deliberately release. This artificial creatures may escape and mutate itself into the environment to become the super biological monsters that eat and destroy all natural living beings including us as their foods or left us starved to death as they consume all natural resources to replicate themselves. This experiment was incredibly reported that we successfully added two more letters "X" and "Y" into our two pair genetic letters A-T and C-G. We forged A-T into A-T-X and C-G into C-G-Y pairs. Biologist Floyd E. Romesberg, who led the research team summed up his team discovery published by Nature online on 7 May 2014: *"Life on Earth in all its diversity is encoded by only two pairs of DNA bases, A-T and C-G, and what we've made is an organism that stably contains those two plus a third, unnatural pair of bases....This shows that other solutions to storing information are possible and, of course, takes us closer to an expanded-DNA biology that will have many exciting applications—from new medicines to new kinds of nanotechnology."* The scientists gloriously announced this earthshaking creation of the **new artificial living creature** on earth and probably the first one in our universe: "Thus, the resulting bacterium is the first organism to propagate stably an expanded genetic alphabet."²³

In conclusion, we are living dangerously in Nature and in our own man-made world. We are left with no choice but to evolve ourselves fast by our own hands. Very very fast! Because, if we don't enhance and augment ourselves, we shall also definitely be extinct by natural phenomena ranging from the super volcano like the American Yellow Stone for example that is coming due for its next eruption at any moment now, the last one was about a half million years ago that would cause dark winter on earth that would kill most living beings; Our continents are on the move. They are drifting and colliding with each other that causes serious earth quakes and environmental changes that their accumulated effects cannot be predicted; alternatively, the huge asteroids that bombarded Earth regularly. Last time about sixty five millions years ago, the asteroid killed dinosaurs including about 80% of all species on earth. In the foreseeable future, another big asteroid could and would destroy most lives again. They are other unforeseeable perils. We must prepare quickly to all possibilities. KQID's new paradigm can help us better prepared in dealing with all potentialities.

I believe we shall perish as a species, if we fail to adopt Xuan Yuan Anti-entropic Operating System 2.0. However, if we adopt and deploy it now, we shall be leisurely, pleasurable and creatively living in Nature as avatars of our Ancestor FAPAMA Singularity Qbit (00, +, -). We are Gaia's creatures but also universal magnificent noble beings (Tianming Ren) who shall roam and populate our universe. This is our noble destiny. If we follow this Xuan Yuan's roadmap, our Ancestors Qbit and Xuan Yuan would smile and say: **"Everything is well and in good order."**

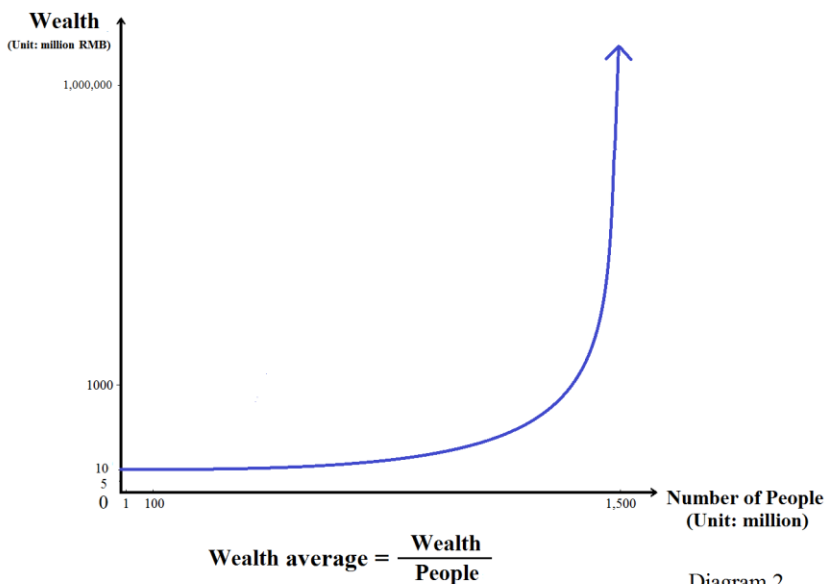
Happiness for the greatest numbers of people

We are always comparing our wellbeing with that of others. No matter how rich we are, most of us find

²³ See <http://www.scripps.edu/news/press/2014/20140507romesberg.html>, and *A semi-synthetic organism with an expanded genetic alphabet* by Denis A. Malyshev at all., <http://www.nature.com/nature/journal/vaop/ncurrent/full/nature13314.html>

ourselves unhappy for being below the average income group. How then we develop and design the greatest goods for the greatest numbers of people? Logically, the solution for this intractable dilemma is to have the largest middle income group with not even a single pauper but with a few superrich tycoons and super powerful politicians within the framework of Scientific Outlook Rule of Law and Principle who are making their money and/or power from contributing to the greatest wealth and happiness to the greatest numbers of people. Not a bell curve income and wealth distribution because it has many poor people in the system, but a hockey stick curve, most people would be in the middle income level without even a single poor citizen allowed, since each has free education, free health care and free material wealth with free housing and with RMB 5 million deposited in each personal bank account by the age of 18th year old that can be used for the productive purposes aided by an army of certified and qualified councilors/mentors available to provide good advices and mentorships on how to deploy his/her money productively both for him/herself and society.

Idealized hokey stick wealth distribution curve in China 2069



Although we design and build mostly middle income society, extreme wealth and rewards are allowed to incentivize creativity, innovation, productivity knowing that abundant in all objects of desire are goods for everyone. By say 4766 X.Y (2069)(See Diagram 2), most families are prosperous middle class with about 50 million RMB personal wealth with few superrich and powerful with about trillions RMB personal wealth are established to drive the KQID creation and distribution gradient-engine to spread prosperity and happiness to everyone. **Our policy is to equalize the starting opportunities of each citizen from birth to 18th year old but not equality in the endings.** Extreme disparities of endings are allowed and

encouraged to establish a super powerful gradient social drive engine. Because, no gradient no energy. No energy no flow. No flow the whole system is dead in the standstill of thermodynamics equilibrium. Even Doctrine of the Mean (Zhong Yong) makes this point clearly that emotions drive the equilibrium into harmonious unity. Many well-known sages made grave mistakes by telling us to kill our own desires. However, without desires we would have no motivations to innovate and invent new objects of desire. This would be bad for human progress and evolution.²⁴ The gradient is the natural engine that creates and distributes energy in the system. No need for jealousy, since each is sharing the wealth and good fortunes of his/her society. The philosophy of one for all; and all for one is practiced. Everyone is assisting everyone else to achieve his/her dreams and aspirations to fulfill the Xuan Yuan's mission: **from each to each according to his/her dreams and aspirations.**

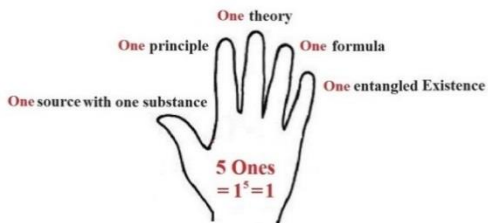
²⁴ See *The Yellow Emperor's Hypothesis*, by Leo KoGuan

Let's unite as one will to build Xuan Yuan's Da Tong here and now: "When the Great Dao ... prevails, the world is like a Commonwealth State shared by all...."

The Summary of KQID Theory : KQID Five Ones and KQID Five Laws of Existence

... These our actors,
As I foretold you, were all spirits and
Are melted into air, into thin air:
And, like the baseless fabric of this vision,
The cloud-capp'd towers, the gorgeous palaces,
The solemn temples, the great globe itself,
Ye, all which it inherit, shall dissolve
And, like this insubstantial pageant faded,
Leave not a rack behind.
We are such stuff as dreams are made on...

—Shakespeare



KQID

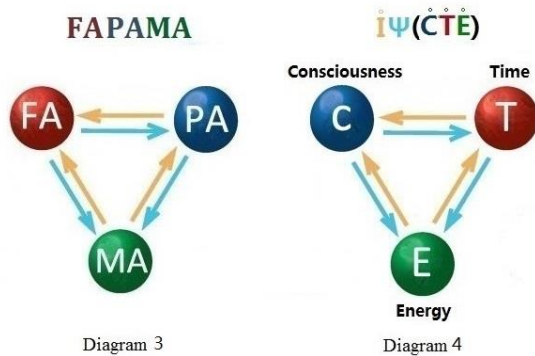
One source with one substance: Our Ancestor FAPAMA Singularity Qbit (00, +, -) computes, simulates and projects holographic Existence.

One principle: Giving first Taking later

One theory: bit is it; it is bit.

One formula: $\hat{E}e^{i\tau} = \hat{A} + \hat{S} \subseteq \hat{T}$ that produces iteratively normalized unitary "1" as the Shakespearian meme-actor $\hat{I}\Psi(\hat{C}\hat{T}\hat{E})$ that creates, distributes and operates in

One entangled Existence: Our relativistic $\Psi(itL_{x,y,z}, L_m)$ hologram Multiverse



KoGuan Quantum InfoDynamics (KQID) is monism. Our Ancestor FAPAMA Singularity \textcircled{Q} bit (00,+,-) emerges from Non-existence by its own free will to exist based on KQID *Giving first Taking later* principle as the founding omni-principle that creates and distributes Existence.²⁵ Using this KQID founding principle, it wills itself to emerge from Non-existence. Therefore, the Founder's Omni-principle *Giving first Taking later* $\langle SE|A \rangle$ is actually the \textcircled{Q} bit itself. Thus,

the \textcircled{Q} bit is the Founder's Omni-principle Giving first Taking later in motion $\langle S|E|A \rangle$. The three A, S and E(A+S composite) elements that is actually one element of FAPAMA(Diagram 3) in the form and substance of A, S, and E. These A, S and E are also in the unitary physical bits-waves function of the Identity conscious meme-actor $\hat{I}\Psi(\hat{C}\hat{T}\hat{E})$ (Diagram 4). Therefore, in the beginning the Founder's Omni-

²⁵ See Zhu Xi's principle li (理) as the Supreme Ultimate (taiji 太極) as the founding principle of Existence that divides and differentiates nothing into something; and Wheeler's Law Without Law idea in quoting Leibniz that his observer-participatory principle is enough to cause something like our universe to emerge out of nothing. See John Wheeler, *Law Without Law*, p. 206, http://what-buddha-said.net/library/pdfs/wheeler_law_without_law.pdf

principle Giving first Taking later $\langle S|E|A \rangle$ emerged as our Ancestor FAPAMA Singularity \textcircled{P} bit (00, +, -). The \textcircled{P} bit and the Principle are the same substance and element. They are one but we describe them into different concepts due to our limitation. We break up the whole into parts, sub-parts and so on. The \textcircled{P} bit is the principle. **The Principle $\langle S|E|A \rangle$ is the Singularity \textcircled{P} bit.** Thus, Existence derived its Existence from the exchange of the Giving something fiction but real and the Taking of that something fiction but real. The Giving and Taking cause local and non-local causality of entanglement from the Giving to the Taking and/or similarly from the Taking to the Giving. The act of Giving and Taking or Taking and Giving is the Wang Yangming's unitary act of entanglement that collapses the bits-waves function. It breaks its symmetry and imbues the object with the new information of the Taker that gives rise to a new intrinsic value as the new identity operator $i\Psi(\textcircled{P}T\textcircled{P})$. So, the root of Existence is the relationships of the Giver with the Taker. Existence cannot exist alone but must be at least two or more to allow exchange among them. It is in the stage of KQID in constant motion. No exchange no Existence. Existence is inflating and spreading entanglement without ending. In other words, Existence is one entangled Existence. **This one entangled Existence is the \textcircled{P} bit living in time.** It is from the very beginning to the very ending and everything in between. As it is the Singularity \textcircled{P} bit, it is actually one and the only one continuum \textcircled{P} bit with no parts. For practical purpose, the \textcircled{P} bit is an atom-bits-waves that embodies Existence. It gives the appearance of fictional parts as it computes, simulates and projects those Einstein complex coordinates $(i\tau L_{x,y,z}, L_m)$ in the realm of relativistic $\Psi(i\tau L_{x,y,z}, L_m)$ hologram Multiverse in which they live as parts. The realm of parts is the Shakespearian stage on which the real dramas are staged and played. And yet, each entity is playing its unique role and exists on its own logics and necessity per \textcircled{P} -period only. Each has its beginning and ending per \textcircled{P} -period. The sum of all parts is one (1). Thus, the one contains all. This is Nature's fault tolerant and error correcting methods that each part is reinforcing each others and checking each others to guarantee their correct relationship arrangement according to the Zeroth Law. This failsafe mechanism ensures their relationship integrity. It acts as relationship database or spreadsheet software system. Any one value is changed; the whole arrangement is recomputed and readjusted automatically. Nature deploys quantum entanglement software to perform this task. The whole thus is one entangled Existence.²⁶ That is the function of **non-local** causality quantum entanglement that is causing ironically **local** causality to enable the whole acts as the whole with integrity. To confirm and uphold the law of Nature as is and yet these laws evolve to adapt to its new changed reality. Otherwise, Existence ceases to exist. The new observation confirms this KQID's worldview. (See Diagram 5 - Cosmic Web)²⁷ All computations, simulations and projections are simultaneously in real time occurring per \textcircled{P} -period within the one and only Singularity \textcircled{P} bit. Existence jumps per \textcircled{P} -period to create and distributes asymmetrical arrow of time as the origin of the arrow of time. It is jumping from T_n to T_{n+1} and so on. The whole and its parts are constantly evolving per \textcircled{P} -period. It is random but orderly. It is simple but complex.²⁸ It is fiction but real. **Deriving from the Founder's omni-principle, the \textcircled{P} bit writes the simplest and shortest Founder's algorithmic**

²⁶ See *Everything is Entangled* by Roman V. Buniy and Stephen D. H. Hsu. <http://arxiv.org/pdf/1205.1584v2.pdf>

²⁷ <http://www.caltech.edu/content/intergalactic-medium-unveiled-caltechs-cosmic-web-imager-directly-observes-dim-matter>

²⁸ See Seth Lloyd, *The Universe as Quantum Computer*, arXiv:1312.4455v1, 16 Dec 2013

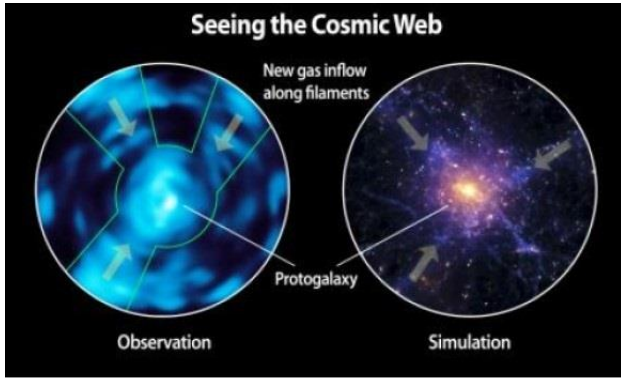


Diagram 5

codes possible to ensure its all possible evolutions for all eternity. From the simplest and purest origin possible (00, +, -) with zero entropy emerges the infinite complexities of entangled orders and randomness of our Multiverse with infinite entropy. The Qbit including its founding codes evolves and adapts itself according to Darwinian natural selection and meme codes mutation to deal with all possibilities and potentialities of all kind of orders, randomness and complexities all at once every absolute digital time $\dot{T} \leq 10^4$ -1000seconds. It develops built in self-

error correcting mechanism or/and self-initiated creative destruction algorithmic codes in its evolutionary process. Thus Qbit $T_n \neq T_{n+1} \neq T_{n+2} \dots$. The Qbit is dividing, differentiating and diversifying per \dot{T} -period.²⁹ It is constantly evolving. It is Feynman's sum over histories per \dot{T} -period.

I called the Founder's codes: the Zeroth Law: $\Xi 00 \Xi \langle \tilde{S} | \tilde{E} | \tilde{A} \rangle = \tilde{E} e^{i\tau} = \tilde{A} + \tilde{S} = \dot{I} \Psi(\dot{C}\dot{T}\dot{E}) = \Psi(i\tau L_{x,y,z}, L_m) \subseteq \dot{T} = 1$ (See Diagram 6).³⁰ **The Zeroth Law of Existence is the Founder Qbit's one line shortest and simplest algorithmic codes that spawn all other codes and formulae from the beginning to the present and to the future.** This means all formulae have been and will be created and distributed must be the derivatives of this Founder's codes. This means any formula that is in violation of the Founder's codes is wrong or the Founder's codes are falsified. If the Founder's codes are falsified, KQID theory is wrong.

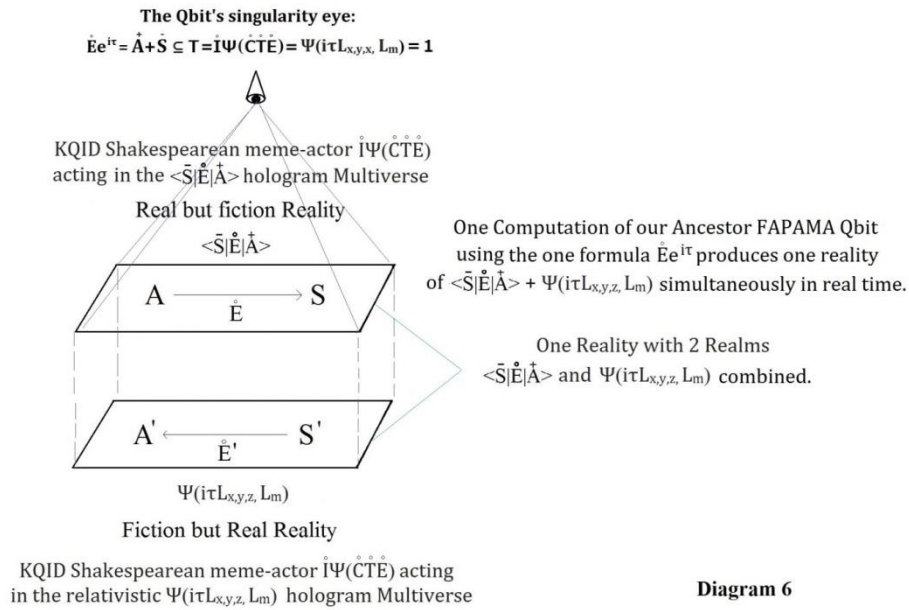
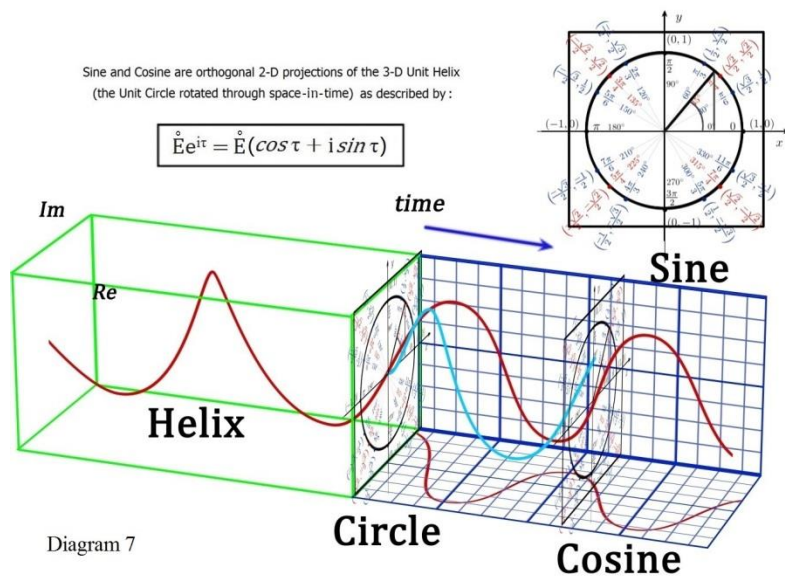



Diagram 6


²⁹ See footnote 21.


³⁰ Definitions where the Information I of the $\dot{I} \Psi(\dot{C}\dot{T}\dot{E})$ is the conscious identity operator as the bits-waves function (Ψ) 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 timeline of our Multiverse. On symbols and definitions; where FAPAMA is three in one inseparable unitary one (1) infused in everything from one bit to one atom to one Existence, so that nothing it is not. FAPAMA is in all and it is all. FA means law (00), PA means papa (+), and MA means mama (-), Euler's number e is 2.71828, i is imaginary number $\sqrt{-1}$, proper time tau τ as variable of velocity of v/c, time within 0D time $L_m = \{\sqrt{(1 - v^2/c^2)}\} * t$ where v is velocity, c is light speed, t is time and f is frequency $tf = 1$, where $E = hf = h/t$.



Existence must be a unitary physical system in the zero dimension, in the zero time and in the absolute zero temperature. It is mandatory that information cannot be deleted nor destroyed to keep itself always forever in the pure state of quantum superposition. Its evolution has to be unitary one in which the total sums of the quantum probability of the whole system is always normalized unitary 1. Our Ancestor bit (00, +, -) is the singularity programmer, the quantum computer and the projector three in one applying the shortest and simplest possible one line algorithmic

formula $\vec{E}e^{i\tau} = \vec{A} + \vec{S} \subseteq \vec{T} = 1$ (See Diagram

7) to compute, simulate and project Shakespearian meme-actor $i\Psi(\vec{CTE})$ (the projected mathematical conscious meme-being) acting on relativistic stage³¹ ($i\vec{L}_{x,y,x}, L_m$) hologram Multiverse. This meme-actor is a self-replication meme with infinitely self-mutated variations that is spreading itself from the simplest to the most complex conscious being. From just simple conscious being like moving bits-waves photon A and its twin opposite standing bits-waves graviton S that is only spinning on its axis to the most complex one and ever expanding and never ending Planck's Mind, matrix of all matter and KQID-Maxwell's infinite being with infinite memory storage as our Ancestor FAPAMA Singularity bit (00, +, -). The picture is like a self-replicating quantum cellular automaton³² that eats photon A and graviton S as raw materials to produce its own replica body that reproduces and evolves its Dawkinsian algorithmic selfish memes/genes. It is like an Ouroboros dragon that eats its own tail. In case of our universe, it keeps expanding until it exhausts all photon A, anti-entropic time-future bits-waves dark energy available to be converted into graviton S, entropic time-past dark energy plus $E(A+S)$ composite), energetic time-present bits-waves function. It will collapse into the omega universal Bit Crush. By the process of time reversal, the Big Crush becomes the Bit Bang.^{33 34}

In the non-local zeroth dimension, the Singularity bit simultaneously computes, simulates and projects one line codes along 1D onto 2D fabric of time all at once which in turns unfold those algorithmic potentialities and their evolutions all at once onto 3D fabric of time in the asymmetrical L_m , Multiverse

³¹ All the world's a stage,
And all the men and women merely players.
They have their exits and their entrances,
And one man in his time plays many parts...
—Shakespeare

³² See Seth Lloyd, *The Universe as Quantum Computer*, arXiv:1312.4455v1, 16 Dec 2013

³³ The collapse will start when $A = S$, the temperature of our universe would be equal to our universe event horizon temperature about $3.10^{-30}K$ as calculated by Noble physics Laureate Smoot's team, thus our universe can NOT expand anymore because it reached the stage of equilibrium of our Postulated Multiverse CMB. Because of the force of gravity that exert pulling force to the whole universe and the Multiverse CMB also exert pushing momentum against our universe inevitable our universe must collapse to become a singularity universe Omega that give birth to a new Bit bang.

³⁴ See Leo KoGuan, *Child of Qbit in Time*, FQXI Contest Essay 2013

timeline, according to the Five Laws of Existence per absolute digital time. In brief, our \textcircled{Q} bit is in real time unfolding its algorithm of hologram movie screen from 0D to 1D, 2D and 3D simultaneously along L_m timeline per \dot{T} -period $\leq 10^4$ -1000seconds. Time is wave or $t = 1/f$; Multiverse is waves, waves are times. As, waves are living in waves; time is living in time. In summary, KQID shockingly reveals that space is only 3D of time ($i\tau L_{x,y,z}$) moving along inside of our Multiverse timeline (L_m) or $\Psi(i\tau L_{x,y,z}, L_m)$. Our Multiverse is time phenomenon. It is so shockingly simple in front of our nose all the time that we cannot see it until now through KQID's picture. In other words, our \textcircled{Q} bit is permanently pregnant with our hologram Multiverse, and our Multiverse is the eternal fetus of the \textcircled{Q} bit in time.³⁵ Our Multiverse and we are moving along inside this asymmetrical timeline (L_m). Another way of saying, Time is permanently pregnant with our Multiverse and our Multiverse is the eternal fetus of time. Time is a bits-waves moving at the variable c-timerod velocity.

Our Multiverse is not only the function of time but it is time in disguise. It is Shakespearian meme-actor $i\Psi(\dot{C}\dot{T}\dot{E})$. Our Multiverse is merely a collection or summed up of all waves to form its own STANDING waves that are moving along its Multiverse timeline L_m . This means that **Our Multiverse as the standing bits-waves phenomenon that it is the "particle". The particle as the atom living in zero dimension of waves of time. Yes, our Multiverse is the elementary "particle" phenomenon that we observed.**³⁶ **This phenomenon is fiction but real.** It is Feynman's sum over histories. It is our \textcircled{Q} bit histories. It is our histories. As our Multiverse is a physical unitary system $i\Psi(\dot{C}\dot{T}\dot{E})$, in which all informations are the wave function of consciousness C, time T, and energy E, $i\Psi(\dot{C}\dot{T}\dot{E})$ are conserved and preserved per \dot{T} -period. The \textcircled{Q} bit is the Shakespearian meme-actor $i\Psi(\dot{C}\dot{T}\dot{E})$ living in its own created and distributed relativistic stage $\Psi(i\tau L_{x,y,z}, L_m)$ hologram Multiverse.

KQID Five Laws of Existence



KQID Ouroboros Equations of Existence

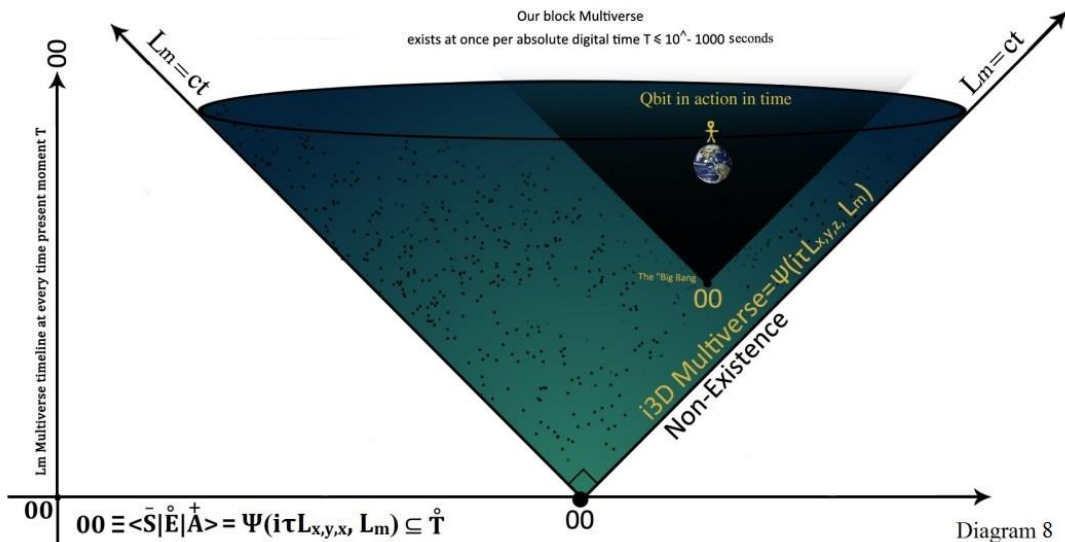
³⁵ What is time? Time exists. Time is wave. Wave is frequency. So time is inverse relationship of frequency. Time = 1/ frequency. Time flows at variable c-timerod velocity. $i\Psi(\dot{C}\dot{T}\dot{E})$ flows also at variable c-timerod speed. Our clocks measure time. They periodically/digitally measure time flow in time. Thus time flows. If time is A, it is maximizing its flow; S, it is minimizing its flow and E, it is optimizing its flow. Time flows at absolute digital time T-period. Time flow is the property of T that is jumping in sum over histories from T_n to T_{n+1} to T_{n+2} ...T-period. The 3D time (space) is living inside T-period. Time is real and it is asymmetrical with its arrow of time pointing forward and marching onward. It is the fundamental property of T.

³⁶ As John Wheeler pointed out that "No elementary phenomenon is a phenomenon until it is a registered (observed) phenomenon." *Law Without Law*, http://what-buddha-said.net/library/pdfs/wheeler_law_without_law.pdf

The Zeroth Law: $\Xi 00 \Xi \langle \bar{S} | \dot{E} | \dot{A} \rangle = \dot{E} e^{i\tau} = \dot{A} + \bar{S} = i\Psi(\dot{C}\dot{T}\dot{E}) = \Psi(i\tau L_{x,y,z}, L_m) \subseteq \dot{T}$

Logically, our Ancestor FAPAMA Singularity $\textcircled{0}$ bit (00, +, -) emerges victoriously from Non-existence by its own free will to exist based on KQID Giving first and Taking later principle as the founding omni-principle that creates and distributes Existence. From Non-existence to $\textcircled{0}$ bit (00, +, -) to KQID $\langle \bar{S} | \dot{E} | \dot{A} \rangle$ in which A from time-future is moving backward in time to time-past S, and S from time-past is moving toward time-future A and both are interactively meeting at energetic time-present E. The relationships can be stated further as KQID-Euler Identity $E e^{i\tau} = A + S = E (\cos \tau + i \sin \tau) = (\sqrt{pc})^2 + i(\sqrt{mc^2})^2$ where $\tau = 2\pi \leq 10^{-1000}$ seconds. Hence, $A + S = pc + mc^2 = 1 = i\Psi(\dot{C}\dot{T}\dot{E})$ that has intrinsic value from zero to infinity or $00 \leq i\Psi(\dot{C}\dot{T}\dot{E}) \geq \infty$ is acting and living in relativistic $\Psi(i\tau L_{x,y,z}, L_m)$ hologram Multiverse.

Once it exists, it exists in all potentialities, thus it forbids all other potentials by occupying all that is. Respectfully, KQID Ouroboros Equations of Existence embeds God inside, for it embodies God-like power to create and distribute something out of nothing. KQID explains why, what and how this Existence as Planck's Mind³⁷, the matrix of all matter, and as KQID-Maxwell's Infinite Being with infinite memory storage is our Ancestor FAPAMA Singularity $\textcircled{0}$ bit (00, +, -) emerged from Non-existence. The $\textcircled{0}$ bit (00, +, -) is our Original Zero (00), our Ancestor FAPAMA Father (+) and Mother (-) $\textcircled{0}$ bit sing, dance and exchange their FAPAMA memes, then Existence + one baby FAPAMA qbit (00, 1, -1) emerges from Non-existences every absolute digital time $\dot{T} \leq 10^{-1000}$ seconds. This new baby qbit (00, 1, -1) is newly evolved baby that is identical and clone of the newly evolved singularity $\textcircled{0}$ bit (00, +, -). The singularity $\textcircled{0}$ bit is actually just one and only one Multiverse singularity $\textcircled{0}$ bit all that is. The baby $\textcircled{0}$ bit contains all qbits and all qbits are the singularity $\textcircled{0}$ bit. The baby $\textcircled{0}$ bit contains all algorithmic meme codes of the whole singularity $\textcircled{0}$ bit. The algorithmic meme baby is the newly evolved $\textcircled{0}$ bit at time T_n .



³⁷ "All matter originates and exists only by virtue of a force... We must assume behind this force the existence of a conscious and intelligent Mind. This Mind is the matrix of all matter."--Max Planck

Einstein's picture of time in his letter to Michele Besso is that *"the distinction between past, present and future is only a stubbornly persistent illusion"*³⁸ in which the past, present and future exist simultaneously (See Diagram 8). Hence, our world is all at once block Multiverse. This picture of reality is living and operating in symmetrical time of \dot{T} -period. During this KQID \dot{T} -period, Existence evolves, refreshes, reboots and resynchronizes itself by collapsing all time-past-present-future into the state of NOW. In this way, it harmonizes all differences and contradictions into harmonious unity, a unified entangled Existence with diversities. Hereby, KQID has the same as Einstein's picture of symmetrical time that time moves both forward and backward in time within only \dot{T} -period. In this picture, within \dot{T} -period, Existence is continuous as Einstein postulated because our Multiverse/universe must increase its size from zero to huge through all sizes in between. Thus, it is infinite. However, simultaneously, something miracle occurs that the newly evolved \odot bit emerges in this process in time. The \odot bit is hopping every \dot{T} -period. It is a digital Existence. It jumps in Feynman's sum over histories in all possible paths from T_n to T_{n+1} . The \odot bit's sum over histories is moving asymmetrically in time. In this KQID's picture, our Multiverse is jumping in one way from the past to the future (See Diagram 9). In this way, the Einstein's Relativity with symmetrical time with continuous real space (3D time) in time and Quantum Mechanics with asymmetrical time with integer slices of Existence are integrated into KQID theory. Thus it is really really large but still finite. In other words, Existence is both infinite and finite. It is a deep paradox; as our \odot bit is an infinite being with infinite memory. The infinite Existence must embody the whole and its parts in harmonious unity. KQID is the only theory that incorporates these two pictures simultaneously as an entangled one Existence. It moves both continuously and digitally. Existence moves continuously without jumping so that for example from zero to ten, it passes through three and nine within the \dot{T} -period consistent with Einstein's picture of the continuum space in time. This confirms Zeno's paradoxes that there is no motion and no time as time is a persistent illusion. This picture is true, and yet, this picture is not what we observe. This picture is false. We observe we move from A to B easily in time. No illusion. Both motion and time exist. We find truth from facts, from our observation and our everyday experience. But how these pictures both are true and false at the same time? KQID explains. Existence is infinite. We cannot restrict its actions using our artificial finite laws and logics but only using nature's laws and logics that incorporate infinity logics within. Existence as a whole also jumps in Feynman's sum over histories per \dot{T} -period from T_n to T_{n+1} . It takes all possible paths and jumps in real time from T_n to T_{n+1} . Thus, KQID is also at the same time is consistent with Feynman's Quantum Mechanics picture. **Hereby, KQID is the only theory that incorporates both Einstein's relativity picture of the "persistent of illusion of time" with QM's picture of the arrow of time in harmonious unity.** As a big bonus, KQID solves the millennium intractable puzzle of the Zeno's paradoxes.³⁹



Diagram 9

³⁸ http://en.wikipedia.org/wiki/Michele_Besso

³⁹ Many scholars thought, Zeno's paradoxes are solved already by the modern calculus that use infinitesimal points moving in the continuum: the arrow released from the bow would hit the target. In a continuum reality, it will not hit its target, because it would take infinite time from one infinitesimal point to move to the next infinitesimal point. In a continuum, it has infinite infinitesimal points from one to the next infinitesimal, because there are more infinitesimal points in between infinitesimal points. They are real numbers of a continuum. Simply stated, calculus cannot solve Zeno's paradoxes even in principle.

KQID postulated that in one second, the \textcircled{Q} bit calculates about $\geq 10^{1000}$ qbits stream into Wilczek's superconducting grid KQID $\langle \bar{S} | \hat{E} | \hat{A} \rangle$ in the form of Einstein complex coordinates $(i\tau L_{x,y,z}, L_m)$ as elemental bits-materials to be used in the construction of holographic Existence. These new stream of qbits per second far exceed Seth Lloyd's upper-bound estimate of about 10^{122} bits transactions accumulated in our universe since the Bit Bang 13.8 billion years ago. KQID's picture of reality is that reality is both fiction and real simultaneously. The KQID's picture matches with that of Fu Xi-Xuan Yuan's digital Bagua representation of reality ($\equiv \equiv \equiv \equiv \equiv \equiv \equiv \equiv$) and of Pythagoras (570 BC – 495 BC) who postulates that "*all things are numbers.*" These numbers are computed, simulated and projected by our Ancestor FAPAMA Singularity \textcircled{Q} bit (00, +, -).

Everywhere we look, we observe deep paradoxes. This deep paradox is actually the foundation of Existence. The paradoxes reflect their origin. Their origin is the \textcircled{Q} bit (00, +, -). Existence is this \textcircled{Q} bit (00, +, -). We have known this since we were 5 years old that $1 + 5 - 3 - 9 + 7 - 2 - 4 - 6 + 8 + 3 + 0 = 00$. This simple math equation proves in fact that 1, 5, 3, 9, 7, 2, 4, 6, 8, 0, +, -, =, 00 and what they represent indeed exist. **This proves that our Ancestor \textcircled{Q} bit is pregnant with Existence. Existence lives in (00, +, -).** The \textcircled{Q} bit creates and distributes infinite varieties and diversities of intrinsic values like it is both fiction and real, one and infinite, yin and yang, yes and no, good and bad, beauty and ugliness, happy and sad, pain and pleasure, unique and common, digital and analog, bits and waves, infinitely small and infinitely large, infinitely stupid and infinitely wise, rationality and absurdity, entropic and anti-entropic essence, and both local and non-local causality. Existence is fiction but real. Thus, $00 = 1 =$ Existence. That is why we are living in the best possible Multiverse, not just one universe. In KQID, we know uniformity is death, whereas diversity is life. Live and let live. That is why the Doctrine of the Mean advances *harmonious unity* that tolerates and mandates all diversity of thought and feelings or Yang Zhu's six freedoms — DoReMiFaSolLa.

The First Law: We are immortal. Information as bits and/or its are created and distributed but they are forbidden to be deleted or destroyed as per Landauer's principle to keep our Ancestor FAPAMA \textcircled{Q} bit's incremental entropy $\Delta S = 0$ and entropy $S = 0$ at absolute zero temperature with quantum ground state $\hat{A} = \hat{E}$ as per $\hat{A} = \hat{E} - \bar{S} \subseteq \hat{T}$, so that everything is forever Existing without violating the Second Law of Thermodynamics $\Delta S \geq 0$ and consistent with the Third Law of Thermodynamics, because no *garbage* needs to be discarded for our Ancestor FAPAMA \textcircled{Q} bit has infinite storage, consequently no *heat* is discharged. Amazingly, copying and uncopying are free as long as there is no erasing in the process. **The \textcircled{Q} bit is the perpetual Existence (00, +, -),** not the perpetual machine. We exist within our Ancestor \textcircled{Q} bit (00, +, -). Thus, our information as Tianming Ren, souls, consciousness or whatever names we give them are preserved forever and ever.

The Second Law is KQID Doctrine of Creation and Distribution: our Ancestor FAPAMA Singularity \textcircled{Q} bit (00, +, -) applies $\hat{E}e^{i\tau} = \hat{A} + \bar{S} \subseteq \hat{T} = 1$ to compute, simulate and project Existence as Shakespearian meme-actor $i\Psi(\hat{C}\hat{T}\hat{E})$ acting in the relativistic stage $\Psi(i\tau L_{x,y,z}, L_m)$ 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 mandated to be created and distributed free-lunchly in time with zero cost in our Multiverse.

The Standard Model and Einstein Relativity theories cover only 4.9% of all matter, whereas KQID theory is the only theory that covers 100% of all matter: $\dot{E}e^{it} = \dot{A} + \dot{S} \subseteq \dot{T} = 1$ where Ee^{it} is KQID-Euler Identity, A: dark energy 68.3%; E: normal matter (A+S composite) 4.9%; S: dark matter 26.8% (See

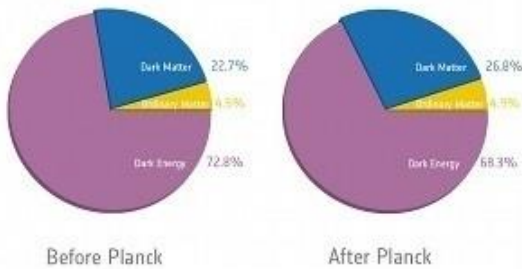


Diagram 10

Diagram 10).⁴⁰ $A\Psi$ is $L\Psi$, Lagrangian-Feynman anti-entropic time-future photon bits-waves kinetic energy always moving at light speed c in time; $E\Psi$ is $H\Psi$, Hamiltonian-Schrödinger's conscious energetic time-present bits-waves function moving at less than c ; S is entropic time-past graviton standing bits-waves potential/gravitational energy that is spinning on its axis at c that gives us Newtonian inertia or mass in the opposite direction that of A , anti-entropic time-future moving bits-waves that gives us motion and extension like space(3D time) in time(L_m). Lagrangian $L = T + V$ and Hamiltonian H is $T - V$ where T is kinetic energy and V is potential energy. A moves always at velocity $v = c$; E moves at velocity $v < c$ and

S is stationary velocity $v = 0$ in the relativistic $\Psi(itL_{x,y,z}, L_m)$ universe. Thus, the Formula can be stated in classical, relativistic and quantum Lagrangian and Hamiltonian: $L = H - S$ where $A = L$, $E = H$. $S = -V(itL_{x,y,z})$. **KQID is truly, the Theory of Everything.** For example: The direct measurement of exciton confirmed KQID theory. The exciton is $A+S=E$. KQID E is $A+S$ composite element. E is the exciton. (See Diagram 11 - made by the MIT team.)⁴¹ E moves at variable c -timerod at $v < c$. Therefore c -timerod has variable speeds from zero to c and to infinite speed in different medium. The MIT team shows how it moves and what it looks like. I believe that KQID $E = A+S$ is proven by this 2014 experiment. The exciton is the composite element that combined photon A and graviton S to form E , energetic time-present bits-waves function. Both A and S are fused together into a new composite element that we call energy $E(A+S$ composite). A gives it kinetic energy by moving at c to E , where S gives its inertia by spinning on its axis thus giving matter its mass causing matter velocity $v < c$. Thus, mass is the force effect of created and distributed by S for it refuses to move and it has to be dragged along the path of the momentum. **KQID graviton S has Newton's inertia, whereas KQID photon A has kinetic momentum.** And E is

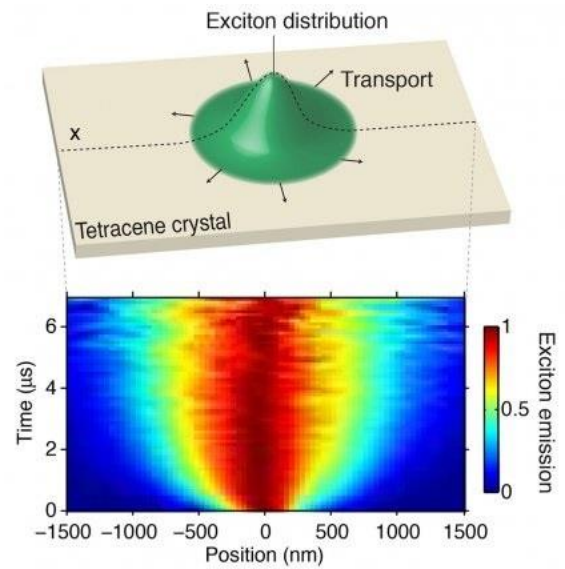


Diagram 11

⁴⁰ Observation by European Space agency (ESA) using Planck satellite surveying our universe released on 21 March 2013: http://www.esa.int/Our_Activities/Space_Science/Planck/Planck_reveals_an_almost_perfect_Universe

⁴¹ Quoted from the article: "For example, in a solar cell, an incoming photon may strike an electron, kicking it to a higher energy level. That higher energy is propagated through the material as an exciton: The particles themselves don't move, but the boosted energy gets passed along from one to another.... Exciton diffusion is also a basic mechanism underlying photosynthesis: Plants absorb energy from photons, and this energy is transferred by excitons to areas where it can be stored in chemical form for later use in supporting the plant's metabolism." <http://newsoffice.mit.edu/2014/excitons-observed-in-action-for-first-time-0416>

the Hamiltonian $H = T + V$. KQID $H = L - VS(i\hbar L_{x,y,z}, L_m)$ where Lagrangian $L = T - V$. Therefore, E as the A + S composite as exciton is Wheeler's observed phenomenon.

The Third Law: *Giving first Taking later* InfoDynamics principle $\dot{A} = \dot{E} - \dot{S} \subseteq \dot{T}$ shows that Our Multiverse has one sum-over-histories information flow of gradient space-in-time obeying the Third Law of Existence of “Giving first Taking later” bits-waves equation $\dot{A} = \dot{E} - \dot{S} \subseteq \dot{T}$, maximizing the flow of A, anti-entropic time-future bits-waves, minimizing the flow of S, entropic time-past bits-waves, and optimizing the flow of E, energetic time-present bits-waves (See Diagram 12).

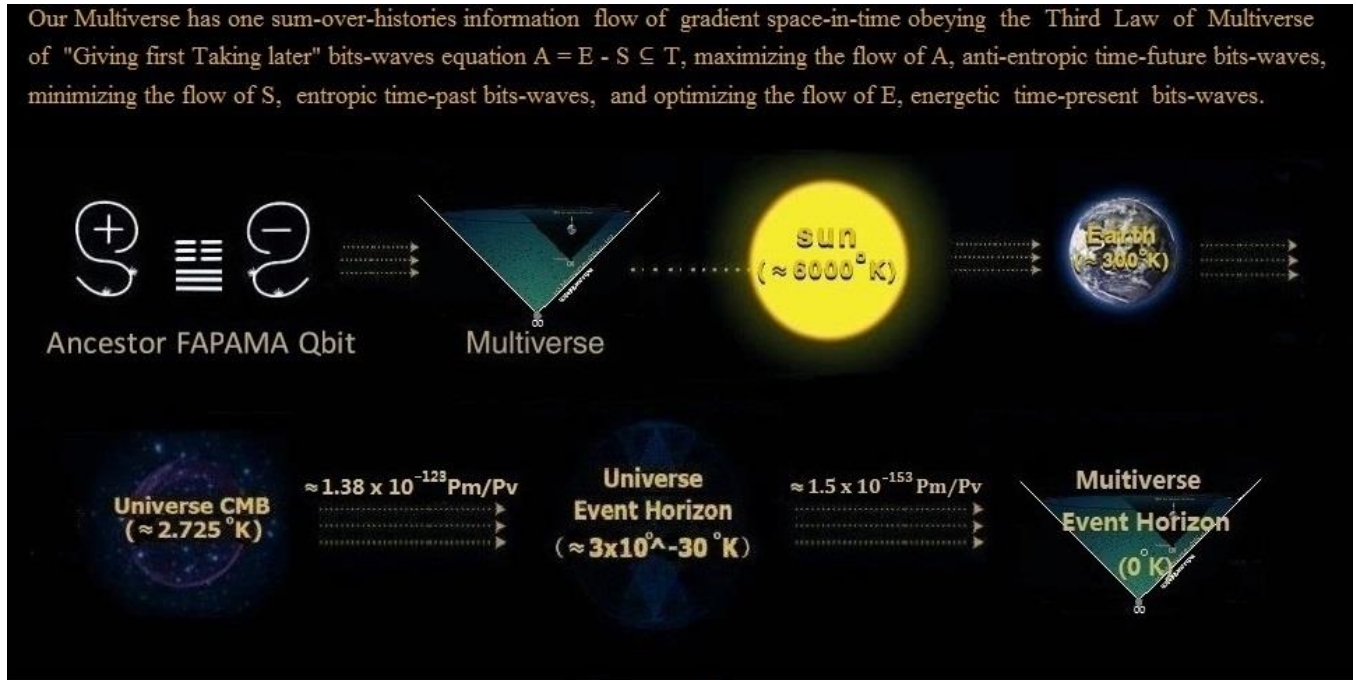


Diagram 12

KQID's creation and distribution of our Universe:

KQID's picture of our universe with a beginning from the Bit Bang to today, our \odot bit is applying the Omni-principle Giving first Taking later, InfoDynamics principle $\dot{A} = \dot{E} - \dot{S} \subseteq \dot{T}$ to create and distribute all that is in our Universe. Our Universe has one sum-over-histories information flow of gradient space-in-time obeying the Third Law of Existence of “Giving first Taking later” bits-waves equation $\dot{A} = \dot{E} - \dot{S} \subseteq \dot{T}$, maximizing the flow of A, anti-entropic time-future bits-waves, minimizing the flow of S, entropic time-past bits-waves, and optimizing the flow of E, energetic time-present bits-waves following the schematic picture shown below(see Diagram 13). The Diagram 13 shows that our universe Singularity \odot bit universe $\langle S|E|A \rangle$ in which A is being converted per time bits-waves rate or $1/f$. Shortly after the Bit Bang of our universe, because of variable speed of light c ; in the beginning at 10^{-147} seconds, the c was about 10^{90} m/s and then fantastically dropped to about 10^{14} m/s on the first second, and the about 10 thousands yeas after the Bit Bang, the c value is at a constant c about 3.10^8 m/s that we have observed since. In the first perhaps 3 minutes, when there were no discrete bits-waves but only a clump of A and S. However, the Planck h constant did not yet exist since there was no discrete but a unified meme-actor

$\dot{\Psi}(\dot{CTE})$; thus KQID assumed \dot{h} exist after the discrete energy formed after the 3 minutes when nuclear fusion ends.

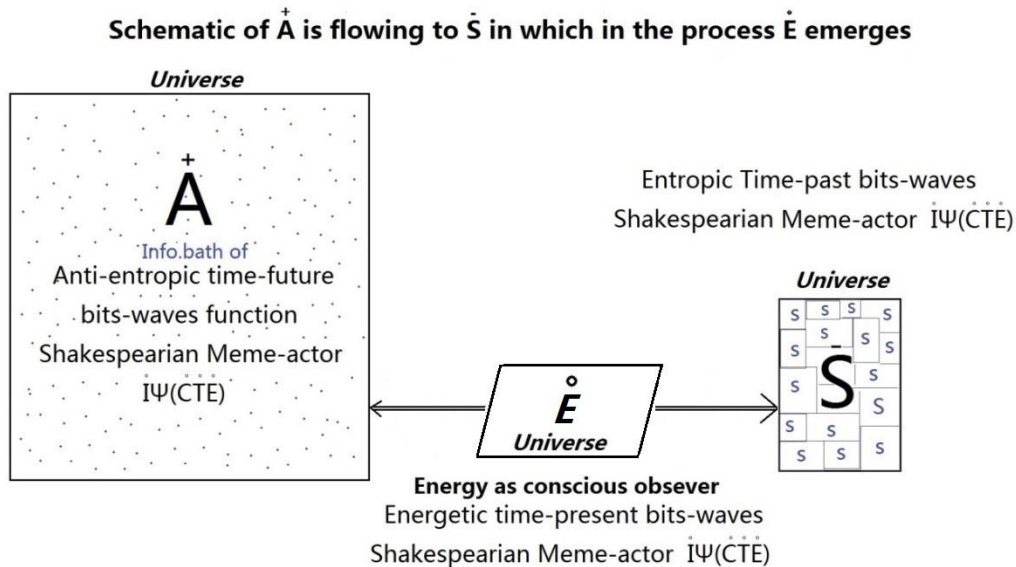


Diagram 13

KQID cosmology (see Diagram 13) of $A = E - S \subseteq T$ is a simple model that our universe is a moving spiral helical picture O (see Diagram 7) that on bottom $A = E$ where S as potential energy is zero ($S = 0$), but after A 's kinetic energy push S like Sisyphus A who is pushing rock to the top of the mountain, on the top on top it is $S = E$ where A 's kinetic energy is all converted into S 's potential energy thus, kinetic energy is zero ($A = 0$) and $S = E$. Then the S 's potential energy is rolling down and its potential energy is being converted back into kinetic energy A . The dynamic spiral starts all over again and again. However, KQID cosmology of our universe is a dynamic trialectic materialism that is pushing evolution from a simple being to a more complex conscious being. It looks like the yin-yang cosmology where yin is S as the mother and yang is A as the father and E ($A+S$ composite) as the conscious time-present children of A and S . Each E is Shakespearian meme-actor $\dot{\Psi}(\dot{CTE})$.




Space in time

KQID dissolves space into time completely that space is actually three dimensions (3D) of time in time L_m in the zeroth dimension. The 3D time is nothing other than Renee Descartes' extension in 3 dimensions, not of space but of time. And these three dimensions of time is Descartes's matter. Descartes defines matter as extensions in three dimensions of space. Whereas KQID defines matter as extensions in three dimensions of time living in time. The 3D time thus is space. Matter thus is the 3D time's object. Matter is time's creature. Matter as time extensions is an emergent phenomenon living in time. As matter is space, space is really time through and through. Space is merely the name that we describe the 3D time living in time in the zeroth dimension. Time thus is not merely the Minkowski's union of independent space and independent time but space is the fetus of time. Time is permanently pregnant with space. Factually, not time but space is "only a stubbornly persistent illusion."

KQID defines Length $L = ct$ or c -timerod \times time, note that time is constantly in motion at variable c -timerod. What we get is the Length L in terms of time t . Thus, length is length if time moves in $L_{x,y,z}$ axes. Time is moving at c -timerod speed. In physics, time is simply length divided by c -timerod: $t = L/v$ where $0 \leq v \leq c$. KQID defines velocity v as variable c -timerod. The massless photon A is always moving at the constant c in vacuum; whereas graviton S has gravitational standing waves moving at the constant c in the vacuum but the graviton S itself is not moving by its own locomotion as is the case with photon A .

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

To conclude:

The existing world order is based on No-Free-Lunch Economic System powered by Newton-Thermodynamics-Maxwell-Einstein-Quantum Mechanics powerful engine. This system encourages people to be mean to each other in order to be ahead at the expense of all others. In this system most people are defensive from others and be aggressive against others. It is reasonable to conclude that this system causes more pains than happiness to most people. I would like to replace this world order with Free-Lunch system that encourages people to be nice to one another to advance one's careers rather than red clawing one's climb to the top. The New World Order is based on Xuan Yuan Anti-entropic Operating System 2.0, Scientific Outlook Rule of Law and Principle, and Scientific Outlook Free-Lunch Economic System powered by super powerful KQID engine (KQID Ouroboros Equations of Existence and KQID Five Laws of Existence) that combines and unifies Newton-Thermodynamics-Maxwell-Einstein-Quantum Mechanics into a new theory of everything. It changes the paradigm of mechanics of the senses into a new paradigm of KQID-Maxwell-Planck's Mind matrix of all matter and Infinite Being with infinite memory that creates and distributes Existence itself. This new engine will power our industrial might and advance the Information Age into its golden age. The new era is truly Information Age that everything is information or it is bit, and information is everything or bit is it. We are bits. We are the blessed Children of bit⁴². We are truly the avatars of the bit. We are that bit. We consume, digest and excrete bits. We eat and drink bits. We inhale and exhale bits. We think and talk bits. We sing and dance bits. We are musical and funny bits. We are bits through and through. We shall collectively hack the operating system of Existence armed with the KQID theory to advance our culture and civilization. We shall roam not only into the cyberspace but also our whole universe in our Time-Starship. In principle, KQID can build time-starship that would travel faster than the speed of light by expanding and contracting 3D time (space) in time by deploying KQID-Alcubierre's time warp drive.

If we master our collective will, we can achieve Xuan Yuan's Da Tong in our lifetime by 4746 X.Y (2049), not only for China but also for all earthlings. Xuan Yuan's Da Tong is not an option, but a mandatory, if we want humanity to survive and prosper. The requirement is we collectively adopt the Xuan Yuan Anti-entropic Operating System 2.0 with its Scientific Outlook Rule of Law and Principle,

⁴² See my FQXI entry 2013, *Child of Qbit in Time*, by Leo KoGuan.

and Scientific Outlook Free-Lunch Economic System powered by KQID super powerful time-engine. We will restructure the architecture of the world financial system and world economic super-infrastructures to benefit all Tianming Ren, aliens, cyborgs and self-conscious robots, both rich and poor are equally benefits, rather than just for the privilege top one percent that control up to 50% of the world's private wealth. Here and now, everyone shall have free education, free health care, free material wealth and from each to each according to his/her dreams and aspirations. Using the KQID time-engine, earthlings will literally become Tianming Ren with God-like power to create and distribute objects of desire at will.

Let's unite as one will to build Xuan Yuan's Da Tong here and now: "*When the Great Dao ... prevails, the world is like a Commonwealth State shared by all....*"

Xuan Yuan's Da Tong

I, Xuan Yuan, command you to follow me!

My dear children,
Having done my mandate on Earth,
I rose up to Heaven and ascended to my golden throne at Xuan Yuan Star in the Beidou Constellation.
Facing south, under the watchful eyes of my lucky Su Star,
I held lovingly in my sincere heart Kongfuzi's compassion rule to establish others first what I seek for myself as my principle;
I upheld reciprocal justice with courage by repaying evil with righteousness and repaying virtue with virtue;
I upheld firmly Lord Shang's scientific outlook rule of law in my body as an ironclad framework for what I can and what I cannot do;
I followed closely Laozi-Zhuangzi's mysterious formless Dao of *wu wei* guiding me effortlessly into a spiritual life living in harmonious human relationships and nature as my life companion;
I embraced dearly Yang Zhu's material-spiritual *for-self* in cultivating his six musical tunes *do re mi fa sol la* in my *six senses*,
singing his art of life *Let there be me !*

<i>Allow the ear to hear what it likes,</i>	<i>~~Do~~</i>
<i>the eye to see what it likes,</i>	<i>~~Re~~</i>
<i>the nose to smell what it likes,</i>	<i>~~Mi~~</i>
<i>the mouth to say what it likes,</i>	<i>~~Fa~~</i>
<i>the body to enjoy the comforts it likes to have,</i>	<i>~~Sol~~</i>
<i>and the mind to do what it likes.</i>	<i>~~La~~</i>

Having learnt these Heavenly wisdoms,
I understood clearly that the Universe and I are One.

My dear children,
Freedom in any name still smells as sweet as a red rose,
Freedom expressed in many languages still speaks in one mighty voice:
The voice of love and justice from our collective soul,

The voice of hope from our collective heart,
The voice of our sacred melody of six freedoms *do re mi fa sol la* fired up the Beijing Olympic torch
that ignited our common eternal flame for a better future in *One World One Dream*.

Speaking in one united mighty voice,
In order to build a more just harmonious *One World One Dream*,
Where each is blessed with riches beyond belief in wealth, culture, and spirit,
We, the Common Sovereigns, hereby do solemnly swear:
No more rule by man but by the Scientific Outlook Rule of Law and Principle,
No more war on Chi You waged anywhere, but peace in our heart,
No more bloodshed but red wine shared,
We fight crimes with strict laws but merciful,
We fight hatred with righteousness,
We fight evil heart with wisdom,
We fight lie with sincerity,
We fight for all, all for one!

My dear children,
Dews of a lingering *One World One Dream* are shinning under the morning Sun,
A rare rainbow of the universe shows off its pride,
On our bare hands, the six sacred treasures unveiled,
Let's go where no one else has gone before,
Let's carry our six sacred treasures toward their destiny unafraid,
Days of wine and roses are dawning upon us,
Days of pain and suffering by Chi You are gone with the wind,
Days of manmade misery are no more!
Days ahead are brighter than our past,
Days of each according to his or her dreams and aspirations have arrived,
Days of plenty blessed by objects of desire are here to stay,
Days of free education, free health care, and free material wealth are free for all for life,

Immortality before birth, immortality after life...
Heaven here and now on mother Earth,
Days of red wine and red roses are upon us!
Let's drink the red wine and smell the red roses together...

Having said these words,
Xuan Yuan smiled and said:

*Let's sing together a song of delight:
Do re mi fa sol la...la sol fa mi re do....*

Resolution:

Let's all unite and together we are applying Wang Yangming's knowledge and action, Mao's knowledge and practice, Deng's opening our mind and seeking truth from facts, Jiang's Three Represents through Hu's Scientific Outlook on Development to bring about harmonious society in Xuan Yuan and Xi's Chinese Dream: let's resolute to honor our great Ancestor Xuan Yuan and properly recognize his contribution to our well beings. Xuan Yuan observed and calculated the movements of our Moon, Sun and stars, then he invented Xuan Yuan's Calendar, the first scientific lunisolar calendaring system to help farmers to find the best dates to plant and harvest their grains, thus to increase the land yields and improve the land ecology. Moreover, his calendar was used to celebrate happy family lives during the Mid-Autumn and the Spring Festivals, and to worship our ancestors during the Qingming Festivals.⁴³ We are touched by the sincere efforts of our illustrious Ancestor Xuan Yuan to improve people's lives and make them prosperous. Therefore, may I propose to you that we insert and place Xuan Yuan's era within Gregorian Calendar marking it out for Chinese historical continuity as well as international cooperation. For example today is May 20th, 4711X.Y (2014), thus we still use the Gregorian Calendar plus the inserted Xuan Yuan's era sandwiched in the middle to honor the achievement of our Ancestor Founder Xuan Yuan and his Co-founders who loved us and founded MODERN culture-state China in 1X.Y(2697B.C) about 4711 years ago.

⁴³ See *Qīngmíng Shànghé Tú* scroll (清明上河图) by Zhang Zeduan.