

## Advance in theory of everything (TOE)

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This year, the journal New Scientist published a cover story – “The surprise theory of everything” (See Vedral V. New Scientist, 2886:32-37, Oct 15, 2012).<sup>\*</sup> Here I share some of my work on the TOE and the grand unification theory (GUT). I derived the conclusion in 2009 – one theory united all. I also used a term energinity to represent the faith science principle. I have used both reductionism and holism to work on the principle – “existence energy equivalence”, since 2008. Having tested numerous existences, I found that they are all just various forms of energy. The relationship between existence ( $\Xi$ ) and energy (E) is actually related to the faith constant, or exploration constant (f), ( $E = f\Xi$ ). The GUT through faith science is quite different from the way that mainstream physics has taken conventionally. The first difference is that science and religion are bridged with some simple equations on how God exists. This has led to the initiative of faith science since 2008. Then, the philosophical concept of existence ( $\Xi$ ) is introduced into physics, and therefore, philosophy and physics are bridged, or unified. Everything is existence and physical, and therefore, idealism and materialism can be united through an updated single vision of the universe. This should end the long battle between two views of the universe – materialists have been rejecting spiritualism as part of their defined physical universe. All things can have moral consequence. Science has been integrated with moral principles. In consequence, both science and religion are appearing now with a new look. Moral energy can be considered as the most important unification force for human consciousness evolution. Consciousness evolution is faith evolution. Furthermore, in search of a unification force at the particle physics level, I have screened all available elementary particles and found that a photon is an excellent candidate. A photon is the grand unification particle. The photon has been identified as the only elementary particle in space-time dimension that it can become smaller with its size (wavelength, momentum space), but its speed (momentum frequency) can become bigger, and also its energy can increase. It can interact with all major particles (forces). For example, the Higgs boson was predicted based on the Standard Model of Physics. It was recently identified through Large Hadron Collider near Geneva, Switzerland. Its discovery critically used photon energy in combination with others to prove its existence.

Note:

<sup>\*</sup> Dr. Vedral argues in his essay that the concepts developed since 1824 on thermodynamics can be appreciated as a possible theory of everything - “It’s been here all along”, and that they are compatible with the newly developed quantum mechanics and general relativity (both emerged in early 1990s) as well as the more recently developed information theory (middle 1990s).

However, this essay has some limitations in that it does not provide details on how these theories can fit together.

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Science and New Sciences

## **Scents and consciousness: a model of how DNA defines experience**

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Abstract:

This year is progress in the making on consciousness research in mainstream science. “Non-human animals are conscious beings” – finally, now we can read a statement from The Cambridge Declaration on Consciousness released by the Francis Crick Memorial Conference in July, 2012. However, some mainstream scholars may think consciousness exist far beyond animals, even beyond brains. Interesting matters, therefore, continue to emerge throughout this year. For example, the journal New Scientist published two featured cover stories to discuss how a plant knows on August 25, 2012, and gut instinct, when the body does the think on December 17, 2012. I have also observed that there are still some opinions against my proposed principle – “DNA defines consciousness”, and therefore, I have felt the need to further elucidate it. Thanks to a recent symposium at MIT (Massachusetts Institute of Technology), during which, my knowledge has been updated by Dr. Richard Axel’s presentation on olfactory perception. I have concluded that the scent processing by a species is an important part of consciousness, which can be used as an example to support my proposed research on consciousness. In this essay, I report some important current status on consciousness research - how DNA defines olfaction, and how to relate scent perception to consciousness. I also propose two new details in smell mechanisms – DNA transtruction during development and differentiation of olfactory stem cells, and casting – decoding model of the odorant and receptor interactions for scent recognition.

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Full text < <http://www.energinity.com/SandC.pdf> >

## **The HIV “9749” and HBV “3215” issues and beyond over the past three years**

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### Abstract

This paper reports how the fixed genome size of each species as a doctrine may have been on the edge of revision. Before replication, each individual of the same species, or the same individual in its different stage, may reorganize its genome according to its environment, and therefore, the replicated genome may vary in both size and nucleotide sequences. (See Yang, C. DNA transtruction: A major mechanism of genome reorganization before replication. <[www.energinity.com/2010proceedings1.pdf](http://www.energinity.com/2010proceedings1.pdf)>). Here, I use two viruses to further demonstrate the principle of DNA transtruction. One is an RNA virus, HIV-1, the Human Immunodeficiency Virus type 1, which has been well documented as a fixed 9749 nucleotides in its RNA genome. However, now it has been found not the case at all – HIV has varied with its genome sizes as well as sequences. And the other one is a DNA virus, HBV, Hepatitis B Virus, which has been well documented as a fixed 3215 nucleotides in its DNA genome. However, now it has been found may not be the case at all. And more and more reports show that HBV genome size has been varied according to each resource.

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## A strategy to quantify the energy of existence (Ξ)

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Since the principle of faith science was shared with the public in 2008, I was asked the question of quantification of the energy of existence including God's energy from time to time. The equations in the articles all imply that they are calculable. Existence is physical (x, y, z, t), a space time entity. Therefore, all of the four coordinators are subject to numbers. It is, however, not always easy to quantify with actual numbers. For example, a Holy Bible can be easily weighted. The Bible is visible as a mass. The words of God in the Bible can be counted as some concrete numbers. We know that the supernatural energy is encoded in the Bible, in particular the words of God. Morality is encoded with the highest energy, the God. How to quantify the energy? We know that God is defined almighty. God's power is unlimited as defined. This is the supernatural side, and the other side is the natural side. So we work on the natural side in the way of case by case. In any actual case, the faith constant is important.  $MG=kEG$ . The higher is the k, and the higher is the MG. For example, I told a young adult at a theology on tap about a case of a parishioner bought more fruit for his neighbor after he heard Father John's preacher, "Love your neighbor as yourself", (for which you may please refer to the book Faith Science on page 32). The three changed behaviors are all accompany with changed God's mass or energy within the parishioner - he feels better, changes his mind on the idea of treating others not just to be fair, but should be with love, so he thinks differently, and acts to offer help. Therefore, his faith constant k is also increased after his church attendance. For another example, I have discussed with some scholars in several occasions before - using voxel volume coordinators in the measurement of functional Magnetic Resonance Imaging (fMRI) results. We know the differences between before and after prayers - the changes of voxel volume. Since the changed volumes are actually photon emissions, the changed volume can be used to derive the energy. MG and EG are the same. Here the voxel volume after prayer can be regarded as MG. More specifically, you can use some already published data, for example, the work by Mario Beauregard and Vincent Paquette. (Beauregard M, Paquette V. Neural correlates of a mystical experience in Carmelite nuns. *Neurosci Lett.* 2006 Sep 25; 405(3):186-90. Epub 2006 Jul 26). Using fMRI, they measured the status of Carmelite nuns' brain activities during their prayer practice - a sense of union with God, called as mystical status. The data showed baseline vs mystical status, and controls vs mystical status. Volumes of voxel need to be calculated and then the energy level can be derived. We assume that the densities are the same, but practically the density may not be the same. You can also use other published data, for instance, the few papers I enclosed as reference. Although those experimental researches provided the objectivity of the existence of brain activity in religion practice, they, however, do not directly address the question of God's existence, which is more of a theory matter, or a thought experimental topic rather than an experimental issue.

Reference:

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The quantification of God's energy and existence were verbally communicated over the years, the first written was communicated on November 24, and the abstract was written on December 26, 2012