

The Applications of AI to Advance Our Knowledge in the Creation within Temperature Phases of the Homogenous 5-Dimensional Universe

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How to cite this paper: Wong, K. W. (2025). The Applications of AI to Advance Our Knowledge in the Creation within Temperature Phases of the Homogenous 5-Dimensional Universe. *Open Journal of Philosophy*, 15, 769-774.
<https://doi.org/10.4236/ojpp.2025.153046>

Received: February 23, 2025

Accepted: August 26, 2025

Published: August 29, 2025

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Abstract

The creation processes of the homogenous 5D Space-Time Universe is analyzed by applying Temperature as the imaginary quantum component of time. Creation is then naturally divided into discrete steps in the cooling of Temperature. An automatic of breaking the creations into Temperature steps are deduced. With that the results in creation can be linked and understood via building an Artificial Intelligent computer to give us a tool to investigate different complicated results. And hopefully eventually leads to enhancing the mRNA method we can use to cure many yet incurable deceases.

Keywords

Temperature, Homogeneity of Space, Artificial Intelligence, ODLRO of Magnetic Monopoles, Quantum Tunneling with RNA and DNA

1. Introduction

Recently there is immense excitement on the applications of Artificial Intelligence: AI, to a vast number of fields, including the medical field that would change our longevity on life. Before we discuss AI, let's explain what this technology actually is. The mechanism that operates is a series of simultaneous computer processing in analyzing an input data, and comparing it to in store data on the same topic, then make a statistical conclusion on the most probable cause of the present question. In short, it is not a theoretically based derived answer, rather it is a probability statistical answer. That of course is still of tremendous value towards the effort

of finding the fundamental theoretical base behind the question, (Aczel, 1997) as the results derived from the rigorous theory must also be consistent with the AI answer. For example, we have advanced a rigorous Homogenous 5 Dimensional Space-time Fermat's sum, to represent the creation of the Universe. Then by adding Temperature through the Quantum uncertainty as an imaginary component to the time dimension (Wong, 2024a) to represent the mechanism to the creation of the Universe as a Big Bang where Temperature must be infinite (Wong, 2024b). Namely giving the 6D Universe satisfying the Fermat's sum

$$[ct]^2 + \{h/2\pi/kT\}^2 = r^2.$$

This ambitious suggestion then leads further to the Energy-momentum Fermat's sum into

$$E^2 = [cp]^2 + \{Ghv(G)/r'\}^2.$$

where $r' < r$; G is the Newtonian gravity constant, and $\nu(G)$ is the frequency of a graviton. That is when t and $T > 0$. Hence

$$E - Ghv(G)/r' > 0.$$

In another word, there exist regions in the 6D Universe $r' < r$, where gravitons exist. And for r' being independent of time:

$$dr'/dt = 0;$$

leads to

$$2(ct)c - 2\{h/2\pi/k\}^2/T^3 [dT/dt] = 0$$

Or

$$dT/dt = (ct)(h/2\pi/k)^{-2} \cdot T^3$$

This T^3 dependency is typical for Black Body radiation, which applies to gravitons as well.

For creation of matters, by the excitation of the Higgs vacuum divided the creation of elementary particle masses into a discrete spectrum, as represented by 110 electron mass of 0.5 MeV. discrete levels, divided into 88 quantum frequencies steps similar to the piano key board, plus an additional 22 frequencies steps that can be derived from a Quark model (Gell-Mann, 1964) bounded by the bare quark mass of 33 MeV. limits between a neutron and a proton, establishing the Quarks as the Semi-Simple-Compact-Lie Group SU(3) generators, as given by the fractional charges $2/3e$, $2/3e$ and $-1/3e$ Cartan generators, where $-e$ is the electron charge, the SU(2) generator, thus connecting the homogenous 5D space-time as require to the Maxwell Electromagnetic theory. (Maxwell, 1685) Combining the SU(3) generators, we obtain $+e$, which is not from the charge conjugate of SU(2). Hence in the homogenous 5D CPT invariant Field Theory, as C is not obeyed so also P, leading to the nuclear parity violation in beta decay. With the required presence of the magnetic monopoles as ODLRO Bosons, of $+e$ or $-2ec$, along r , in the entangled SO(3) variable, having frequencies satisfying the boundary condi-

tion imposed by the value of r , in the Bose-Einstein condensed state (Wong et al, 2018). In fact as monopoles are generated from $SU(2) + SU(3)$, and guaranteed by the net 0 charge condition for each must be required so as to satisfy the homogeneity of the 4D space. Through this the Fermat's sum over time including the imaginary Temperature component, than will lead to all the subsequent natural creations out of the Higgs vacuum (Higgs, 1964) filled with monopoles from the cooling of the Temperature starting with the Bethe fusion Temperature value as all hadrons were created via the breaking of the 4D space symmetry through projection onto the inhomogeneous 4D Lorentz Space-time starting at time 0, when there was no finite space, thus giving raise to the exact values for the bare electron and Quark masses (Wong et al, 2014). Further because of the Fourier Theorem, there must also exist a corresponding Energy, momenta representation for the Fermat's sum, with a corresponding imaginary component to the momenta variable which can be verified to be that representing the quantum graviton field (Wong, 2024a). It is this component that then gives us the attractive Newtonian Law of Gravity between masses, that actually cannot be derived by any other means, as the theory of General Relativity (Einstein, 1916) only verifies the existence of attractive gravity between masses, and not how Gravity come about. Thereby within a homogenous 5D closed domain, there can exist standing graviton waves, forming a Black Hole, that would behaves like a sink to masses outside. The center of a galaxy is thereby such a Black Hole. Hence in-order that stars in the galaxy remain outside its core, they must rotate around it, generating a specific centrifugal force (Fung & Wong, 2015). These amazing physical results that are derived from the Fermat's sum must be observable from Astronomical data in the Universe and certainly must satisfy the AI. Lastly, on top of all these creations due to Temperature cooling starting from the Bethe Fusion value, as deduced through AI, the Temperature cooling can be divided into 7 steps given by the formula

$$T(j) = T(B)(110)^{-j}.$$

where $j = 0, 1, 2, 3, 4, 5, 6$. and $T(B)$ is the Bethe Fusion Temperature of order $10^{14} - 10^{15}$ K.

It is in the lowest Temperature range where T covers a wide range from liquid nitrogen to the Temperature of molten lavas with includes the liquid water phase under relatively low, but not 0 gravity, such as on the earth surface the creation of life forms then exist (Meijer and Wong, 2022).

It is this amazing result that we get naturally from the Temperature induced Big Bang theory and the following cooling it broke the 5D Space-time homogeneity, thus the magnetic monopoles Diagonal-Long-Range-Order states (Wong et al, 2018). It is this $j = 6$ broad varying Temperature range over the earth's surface that made the initial Earth had to go through billions of formation years (Brisbane, 2018) to reach the uniformity for the seasons, where numerous life forms were created and some eventually became extinct, including the Dinosaurs, which had roamed the earth for millions of years, far longer than human existence. The mechanism of Life came from the ODLRO magnetic monopole states can remain

unbroken iff the homogeneity of the 4 Dimension Space, which obeys Euler Theorem $SO(3)$ is intact. If they exist, then due to Quantum Tunneling theorem, these monopole states can form standing waves if they can linearly linked into a closed loop. This homogenous closed 4 D spherical space condition for atomic nucleus is in fact found only within the Carbon 12 nucleus (Wong, 1964) because of the dense packing theorem that it obeys. Hence Carbon plays an essential role in the building of molecules that can contain such monopole states. It is these states that are structurally stable in the Temperature environment is essential and led to the creation of numerous different DNAs, which are geometrical carbon chain closed loop. Thus, from these DNAs different life forms are created (Pharma, 2024).

2. The Unique Properties of Carbon 12

The nucleus of Carbon 12 contains 12 spherical neutrons and protons, with a perfectly spherical void core. This amazing topological feature is unique and found only in the chemical element Carbon (Meijer & Wong, 2022). Because of the nuclear size of this void, only magnetic monopoles with extremely high frequencies can exist within. Therefore, these magnetic monopoles will need to be of extremely high energies. Therefore, a long wave-length standing magnetic monopole ODLRO state can exist via quantum tunneling if there exists a closed loop composed of carbons. Because chemically Carbon is covalent which make such a structure can be formed quite naturally. In fact, bio molecules are in such a structural form, including all DNAs. DNAs form are long loop of Carbon chains, as they are composed of two long twisting RNAs form by the stacking of the Nitrogenous Bases by attaching to a Sugar phosphate backbone, and joined at the ends. See figure 11.1 in Chapter 11 of the book “The Five Dimension Space-Time Universe: A creation and grand unified field theory model”. by K. W. Wong, et al. for details (Wong et al., 2014). The exact form of each DNA contains unique standing waves of the magnetic monopole states. Hence are unique to it. Each Life thus can be uniquely identified by its DNAs. Thus, all the biological cells within the life form must be identified by a specific standing frequency of a DNA within the body, including cancerous cells. It thereby possible to use AI computer chip technology to identify the specific DNA spectra that is linked to the cancerous cells, and provide us a mechanism to introduce mRNAs into the body to eliminate the further creation of the cancerous cell in question. Currently, such mRNA method is tediously applied by time consuming laboratory grow methods, such as those advanced by Rocket Pharma. [See the reports and announcement by RCKT]. It is our hope that AI chips, such as those developed by NVDA will eventually help us find ways to modify DNAs to cure cancers. As it is my believe that through the DNA ODLRO monopole states with frequencies matching an Off-Diagonal-Long Range-Order of the valence band in biological cells is responsible to the cells reproduction. Hence in terms of band structures, like High Tc ceramics, (Ching et al, 1987) the hole density is the result of Oxygen binding in the cell structure, the important element that is responsible for the valence band holes (Wong & Ching, 2004).

3. Conclusion

We have shown through AI that indeed the creation of the Universe satisfies a homogenous 5D space-time manifold, (Wong, 2024a) where time t is a complex variable, with the imaginary component given by Temperature via the quantum uncertainty. And that through which all creations that naturally follows through the cooling process in Temperature. And this cooling in-fact is equivalent to the breaking of the Space-Time homogeneity through the projection of the 4D Space variables into the inhomogeneous 4D Lorentz manifold that satisfies Special Relativity. And this symmetry breaking also manifest itself as the ODLRO breaking of the Bosonic magnetic monopoles in the Maxwell Electromagnetic 5D, which actually form the Higgs vacuum. Without this Temperature cooling process the 5D Universe in fact cannot had been created by a Big Bang. But the perhaps most unexpected in the process of creation is that the cooling process in Temperature is also broken into successive steps, obeying a simple power law of $T(B) \times 110^{-j}$; where $T(B)$ is the Bethe Fusion Temperature, when matters appeared, and j is an integer starting from 0 to 6. It is at the lowest T range, where it covers the liquid water phase on the surface of a planet, like earth. And it is also in this T range that life can be created, through the existence of the ODLRO magnetic monopole states with low eigen-energies when Carbons can form into closed loops. Also as the Fermat's sum for the homogenous 5D Space-time has a Energy-momentum representation, that the imaginary component in time necessarily transform into the quantum gravitons, thus leading to the natural existence of a Black Hole, with a gravity pull on all masses outside it, hence when a Galaxy is formed, it becomes the Galactic Core, with all the star systems revolving around it, so as to prevent from being pulled into it. There are so many interesting topics that we need to further investigate, particularly those associated with cures on deceases, that we hope this short paper and with the help of AI computer chip technology can be used for the start. Many life forms that existed on earth, including the dinosaurs evolved basing on the adaptation to the changing environment on earth. Only us, human were able to go beyond adaptation through learning with AI, and hopefully can eventually create the necessary favorable environment for human and be able to transport our existence beyond earth?

Acknowledgements

I have many distinguished friends and colleagues to thank: In particular Professors G. A. M. Dreschhoff, H. Jungner, P. C. W. Fung, John Bardeen, T. D. Lee, C. N. Yang, Marvin Chester, for their support and encouragements through out the development of this theory over the decades.

Conflicts of Interest

The authors declare no conflicts of interest regarding the publication of this paper.

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