

Everything Is Timelessly Connected: Metaphysics, Physics, Consciousness, Spacetime Travel, DNA, and the *Dry Bones Prophecy* (Ezekiel Ch. 37)

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ABSTRACT

This paper provides a perception that all things are connected. Starting with the perception of Metaphysics and how matter exists out of total void, complementary matter, or dark matter, the incompleteness of Einstein relativistic theory. Multi spacetime universes and the jump drive for jumping within and between spacetime universes. Warp drive for space travel. DNA as sequence of momentary frequencies and how it related to Ezekiel's dry bones prophecy. The outcome of neural patterns as cords of consciousness, consciousness as the collection of all cords of consciousness and the lack of uniqueness of individual consciousness. Finally, all things are cords of consciousness.

1. INTRODUCTION

The question, what is matter? Or what is dark matter? And how they related? How it is possible that electron will jump over a barrier? Furthermore, Does Einstein relativity theory incorporate all possible variables that may influence the local matrix? In that sense does Einstein general relativity theory complete? Furthermore, can we formulate mathematically consciousness?

The approach starts by the simple question of how matter exists out of total void? This question *i.e.* the existence of matter out of total void was treated by Segman Y.J in [1]. The void has no description, yet ¹<https://www.void2life.com/> is a voluntary organization promoting knowledge and wisdom for expending human collective consciousness beyond physics.

²Dear reader, judge a paper according to its content, consider if the paper triggers your imagination. Don't credit paper according to its publisher nor to its author, trust your consciousness, as this paper is all about it.

since of the existence of the void, it has complementary. The possibility that the void complementary is substance e.g. the universe is dismissed and the conclusion is the void complementary represents the total information about all potential scenarios, *i.e.* stories. Yet, stories are realized within universes and the question remains how the universe exists if the void complementary does not incorporate substance? The conclusion is that matter is a logical state within the void complementary, wherein matter has complementary matter such that the total matter and its complementary matter collapses timelessly into zero matter *i.e.* null matter.

The complementary universe cannot be void and therefore it carries opposite characteristic to matter. Matter is characterized by attraction. The level of attraction is marked by a positive real number called mass $\geq +0$, wherein mass = +0 from the right represents positive energy. Complementary matter is characterized by anti-attraction, in that sense rejection and the level of rejection is marked by negative real number called complementary mass ≤ -0 , where complementary matter = -0 from the left represents negative energy incorporating darkness.

The complementary universe is everything which is not the inner universe including the outside of the universe. The complementary matter carries particles that travel at speed higher than speed of light up to infinity and it has an open structure up to infinity.

Particles of the inner universe attract each other and are bounded by speed of light resulting in universal close structure. The question: "into what the universe is expanding?" is now being clarified. The universe is expanding into its complementary universe composed by complementary matter. When the forces of the complementary matter overcome the expansion forces resulting from the big bang then the universe will start shrinking into singularity which may end up once again in a new initialization. As a result, a new cycle of universal evolution with new initial condition will start. Yet, due to the completeness of the metaphysical non-dimensional space, then the total information about any sort of universe exists timelessly.

Furthermore, we concluded that the general relativity theory is not complete in the sense that the theory does not consider forces imposed on the inner universe by its complementary matter. Furthermore, the spacetime universe is defined by four independent variables, three spatial variables and time. Yet, the theory does not consider complementary forces or frequencies associated with spacetime coordinate system.

Following is a discussion on jump and warp drive as two potential possibilities for traveling within and between spacetime universes. Jump drive does not require a spaceship, Segman Y.J [2]. It is kind of a stargate device that transforms a physical object into a new location within the current spacetime universe or at different spacetime universe.

Jump drive is based on the simultaneous execution of the forward-backward Fourier Transform on the selected physical object. The object will be transformed into frequencies and shall disappear from the stargate device and reappear in the desired spacetime location e.g. spacetime universe.

Warp drive was firstly introduced by Alcubierre M. [3]. Based on Einstein density energy tensor, the density energy of Alcubierre warp drive is negative everywhere. To overcome negative energy, we suggest replacing radial coordinate transformation by trigonometric flat coordinate transformation and avoiding the projection of the old 3D coordinate system onto one axis of the new system. The outcome of this change results in non-negative density energy. The drawback is the loss of radial symmetry.

Additional geometries that produce positive density energy were also proposed using shifting coordinate operator Y.J. Segman [4].

It is also suggested to use group representation in the form of wavelet transform for enabling flexible spaceship geometry so that the spaceship can be stretched and revolved around itself and be shifted in space.

Following, by applying the Fourier transform on real object such as human being, the body in the current spacetime universe is represented by chain of frequencies. Simultaneously, the same human body is represented by chain of momentary DNA. This analogy leads to an intuitive conclusion that there are matching patterns between momentary DNA and momentary frequencies both representing the same

temporal human body.

As a result, one may consider that the momentary DNA is the momentary chain of frequencies representing the same human body.

This statement takes us to the dry bone's prophecy of Ezekiel chapter 37. Ezekiel describes the restoration of the Israelites from their dry bones. This metaphoric restoration may be feasible for those consciousnesses who carry the metaphysical information of the chain of frequencies representing a momentary body. Recall that the metaphysical space incorporates the "void complementary" representing the information about any scenario and that includes the chain of frequencies representing any temporal body at any local time. Therefore, from the scientific point of view, Ezekiel prophesy is the Fourier inverse restoration of a real biological body.

A neural mathematical mechanism elaborating the connection between neural patterns and cords of consciousness is provided based on Segman Y.J. [5]. We define that the outcome of neural patterns represents cords of consciousness. Cord of consciousness reflects a metaphysical sensation, e.g. a vision, voice, feeling, intention, etc. Following the mathematical definition of cords of consciousness, we conclude that Consciousness is the set of all cords of consciousness.

Consciousness is timeless and not unique to a single entity e.g. person. This means that even though a person feels that his/her consciousness reflects only his/her thoughts, feeling, intention, etc., it may not be as such.

Starting with the definition of the metaphysical non dimensional timeless space as defined by Segman Y.J. [1].

2. THE METAPHYSICAL NONDIMENSIONAL SPACE

2.1. Definition 1: The Metaphysical Space

The metaphysics space is defined to be the "void" and the "void complementary" [1].

Void means a timeless total emptiness without any description. Yet, due to the existence of the void, a complementary to the void exists. The void complementary does not represent matter such as the universe because of its incompleteness. If the universe is the "void complementary" then the universe is complete, which is not, just by the fact that the universe is evolving, contradicts its potential completeness.

The void complementary is a non-dimensional timeless complete space incorporating any potential possibility such as our lives. Yet, for a life to be realized a spacetime universe with a sensation of matter should exist. The perception of the existence of matter is provided in [1]. Few anecdotes are given hereunder.

2.2. Theorem 1

The metaphysical space does not incorporate matter.

2.3. Theorem 2

The metaphysical space is one complete virtual timeless space.

2.4. Conclusion

The metaphysical space is a non-dimensional timeless space incorporating the total potential information about anything *i.e.* stories, visions, voices, emotions, life, intentions, logic, illogic, universes, etc.

The metaphysical space incorporates the total information about any potential scenario. A potential scenario may represent a life story, a planet story, or the story of an entire spacetime Universe. Since the metaphysical space is a virtual timeless space, all stories have been realized. Currently, we are realizing the timeless story of our lives. The story is timeless, however within the story there is a time reference representing the beginning and end of the story, however, from the metaphysical perception the beginning and the end is a timeless virtual moment.

The proofs are given in [1]. It is straightforward understanding that uniqueness and completeness are two sides of the same coin in the sense that, if there are two metaphysical spaces it would not be complete and if the metaphysical space is complete then it must be unique.

Pursuant the definition of the metaphysical space and theorems 1 and 2 we conclude that the metaphysical space represents the idiom GOD as being described in Exodus 33 where Moses asked GOD, show me thy Glory.

20 ... *And said, Thou cannot see my face: for there shall no man see me, and live.*

21 *And the Lord said, Behold, there is a place by me, and thou shall stand upon a cliff:*

22 *And it shall come to pass, while my Glory pass by, that I will put thee on the cliff, and your eyes be covered until passing.*

23 *And your eyes be uncovered, and thou shalt see my rear as my face cannot be seen.*

GOD face is the “void”, and GOD rear is the “void complementary”. The void complementary is a timeless complete non-dimensional space incorporating all stories about any scenario. While we are writing these words, Moses is standing on the cliff in his time, experiencing a timeless moment of our time and other times of the “void complementary” *i.e.* GOD rear.

3. REALIZATION OF STORIES-EXISTENCE OF UNIVERSES

For a potential scenario to be realized, like our life story, a universe (*i.e.* cosmos) must exist. Yet, the void complementary contains zero matter *i.e.* null matter, which means there is no physical sensation, therefore, for a matter to exist a “complementary matter” must exist as well such that the total matter and its complementary matter collapses timelessly into zero matter, *i.e.* null matter. The complementary physics represents the characteristics of complementary matter. This claim is pseudo formulated by

$$\{U\} + \{\bar{U}\} = \{0\} \quad (3.1)$$

where $\{U\}$ stands for the inner positive Universe and $\{\bar{U}\}$ to its complementary matter. $\{\bar{U}\}$ represents everything which is not the inner universe $\{U\}$ and that includes the outside of the universe and local spaces between matter within the Universe. Equation (3.1) is a logical perception of the existence of matter. We are living within one part of Equation (3.1) *e.g.* within $\{U\}$.

Definition 2: The Metaphysical Conservation Law

Any form of Equation (3.1) collapses timelessly into null matter. The metaphysical conservation law preserves null matter.

The existence of universes is a logical state that obeys the metaphysical conversation law.

Matter is a metaphysical characteristic. In this spacetime universe the characteristic of positive matter is attraction while the characteristic of the complementary matter is complementary attraction *i.e.* anti-attraction *e.g.* rejection.

Attraction is associated with positive real number called mass, the level of mass defines the level of attraction or gravitation. Anti-gravitation or rejection is associated with complementary mass or anti-mass in that sense negative mass.

Particles of the complementary matter do not collide as they are pushing each other to infinity at velocity higher than speed of light.

Complementary matter may produce negative energy with dark light (*i.e.* darkness).

4. MATTER AND ENERGY

Matter is a characteristic defined by attraction. A positive real number called mass $m \geq +0$ defines the level of attraction. Complementary matter is the complementary characteristic to attraction, *e.g.* rejection. A negative real number called complementary mass or negative mass $\bar{m} \leq -0$ characterizes the level of rejection.

Positive mass at level +0 (from the right side of zero) stands for positive energy incorporating light

and negative mass at level -0 (from the left side of zero) stands for negative energy incorporating dark light (darkness). Based on the above we defined matter, complementary matter, energy, and complementary energy.

4.1. Definition 3—Matter and Complementary Matter

Matter is an attraction characteristic. The level of attraction is defined by a real number called mass $m \geq +0$.

Complementary matter is a complementary characteristic to attraction i.e. rejection. The level of rejection is defined by a real number called complementary mass $\bar{m} \leq -0$.

4.2. Definition 4—Energy and Complementary Energy

Energy is a mass at level zero from the right (+0).

Complementary energy is complementary mass at level zero from the left (-0).

The following **Table 1** represents the characteristic of positive matter compared to its complementary matter.

Table 1. Characteristics of matter versus complementary matter.

| Inner Universe $\{U\}$ | Remarks | Complementary Universe $\{\bar{U}\}$ | Remarks |
|--|--|--|---|
| Matter is a metaphysical characteristic of attraction (<i>i.e.</i> gravitation), represented by positive number called mass $m \geq +0$ | Uncountable endless particles of positive matter in various size, density, or heat. | Complementary matter is a metaphysical characteristic of anti-attraction or anti gravitation represented by mass $m \leq -0$. | Uncountable endless particles of complementary matter |
| Attraction (Gravitation) | Generating galaxies, Suns, and Planets and lives | Rejection (Anti-Gravitation) | Complementary particles push each other up to infinity |
| Closed structure | Impossible to leave the universe in the form of positive matter. | Open Structure | No geometrical structure. |
| Bounded Velocity | $0 \leq \text{Velocity} \leq L$ | Unbounded Velocity $L < \text{Velocity} < \infty$ | Velocity is above speed of light up infinity. |
| Energy & Light | Positive energy represented by $m = +0$ (from the right) incorporating positive light. | Complementary energy resulting in darkness represented by mass $= -0$ (from the left). | Dark energy. No light. |
| Other forces like spin, electromagnetic, nuclear, etc. | Within inner universe | Not yet have been considered | Could be in a distance collision that may result in various forces. |

Continued

| | | | |
|--|---|---|--|
| Pressure towards outside the universe | The general forces resulting from the initial explosion produces forces towards outside. | Pressure in all directions. | Complementary matter pushes the inner universe to collapse into itself. |
| Symmetrical vs. asymmetrical evolution | The universe may evolve symmetrically or asymmetrically, depending on the initial conditions and local forces from inside and outside. | No geometrical structure. | Due to open structure complementary matter are spread in all complementary places up to infinity without geometrical structure. |
| Substance may disappear and reappear as complementary matter or complementary energy as long as the metaphysical conservation law is preserved | A collision of positive particles may produce complementary particle. There are uncountable infinite positive real numbers representing gravitation levels. Therefore, finite number of substances may disappear or reappear from the universe. | Complementary substance may disappear and reappear. | A distance collision of complementary particles may result in positive particles (mass $\geq +0$) which will appear in the inner universe. |
| Frequencies | Every physical object has a metaphysical frequency pattern representing the physical object | Frequencies | Every complementary particle has a metaphysical frequency pattern representing the complementary particle Since complementary matter is represented by all real numbers ≤ -0 . Never too short in complementary substance. |
| Never too short in substance. | Since matter is represented by all real numbers $\geq +0$. Never too short of substance. | Never too short in complementary substance. | |
| Universal boundary. | The boundary is composed by the total sum of $R_+ + R_-$ where $R_+ = \{m \geq +0, m \in R(\text{Real numbers})\}$ and $R_- = \{m \leq -0, m \in R(\text{Real numbers})\}$ representing null matter in the non-dimensional metaphysical space. | | |
| The virtual metaphysical preservation law of null matter | The virtual equilibrium equation $\{U\} + \{\bar{U}\}$ is timeless zero. Resulting in null matter and energy or null physics. It does not depend on any sort of coordinate system, gravitation, time, frequency, etc. | | |

4.3. Definition 5: Logical vs. Illogical Scenario

The metaphysical non-dimensional space incorporates all potential possibilities representing its uni-

queness and completeness. There are illogical scenarios and logical scenarios.

Illogical scenario means there is no sort of a universe that satisfies any potential form of Equation (3.1) such that the scenario is realized.

Logical scenario i.e. story means the scenario i.e. story is realized in a spacetime universe satisfies Equation (3.1).

4.4. Example

Is it logical that a universe shall be flat with 1D curve human being instead of 3D? If such scenario is feasible then the scenario is logical otherwise it is illogical scenario. Yet both possibilities are within the metaphysical space due to its completeness.

5. THE INCOMPLETENESS OF EINSTEIN THEORY

Einstein's General Relative theory does not consider complementary forces induce onto the universe from outsides. Therefore, the theory is incomplete.

Complementary forces are pushing the universe to collapse into singularity against the inner expansion forces from within the universe causing the universe to expand.

Incomplete Physics

The left side of the equilibrium Equation (3.1) is composed by two complementary parts, each part incorporates incomplete physics. Einstein theory deals with forces from within the universe $\{U\}$ without taking under consideration complementary forces induce from complementary matter, particular from outside the universe.

The timeless virtual merger of $\{U\}$ and $\{\bar{U}\}$ represents a complete null physics. The virtual merger does not depend on coordinate system, gravitation, frequency, pressure, temperature, time, etc. It represents timeless null physics.

6. UNCOUNTABLE SPACETIME UNIVERSES

For any logical potential scenario there is a spacetime universe realizing the scenario. The spacetime universe may be identified on a virtual hologram phase axis. The Schrödinger representation is best fitting the representation for potential virtual universes.

$$U_{\zeta}(X, t, \Omega, \omega, a) = e^{-i\zeta(\Omega X + \omega t + a)} U(X, t) \quad (6.1)$$

$$\bar{U}_{\zeta}(X, t, \Omega, \omega, a) = e^{-i\zeta(\Omega X + \omega t + a)} \bar{U}(X, t) \quad (6.2)$$

The universe U and its complementary \bar{U} share identical origin. For simplicity X is a functional spatial coordinate system (x, y, z) and t represents universal time since its initialization e.g. big bang or any other logical initialization.

Each universal cycle represents different spacetime universe. Since the metaphysical space is unique complete timeless virtual space, it incorporates the information of all spacetime universes. These universes are located virtually on a hologram phase axis as shown in **Figure 1** below.

The term $U_{\zeta}(X, t, \Omega, \omega, a)$ may be controlled by the power of the consciousness intentions, either from the outside vibrating the spacetime universe $U(X, t)$ by $\{e^{-i\zeta(\Omega X + \omega t + a)}\}$ and from the inside by controlling $U(X, t)$.

It may sound bizarre, unrealistic, but the power of consciousness intention is the stronger power ever exists.

When the universe is expanding it is on the account of its complementary matter and if shrinking is due to the complementary forces pushing the universe to collapse into singularity.

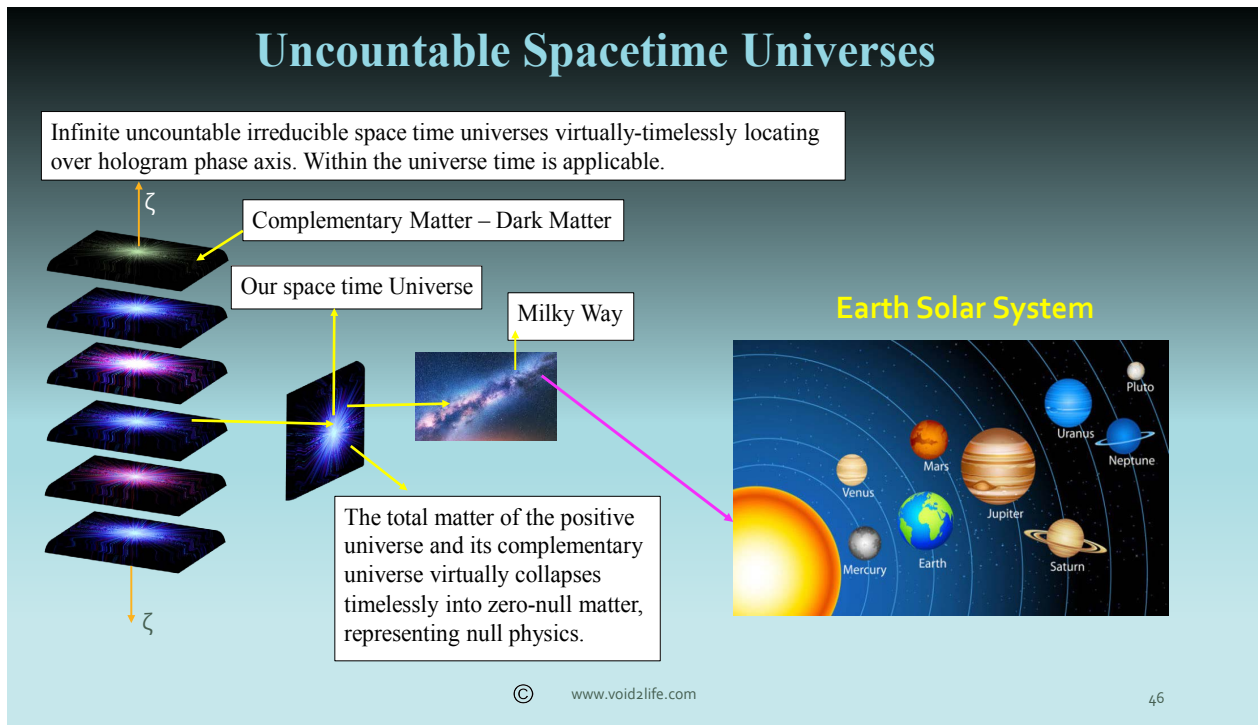


Figure 1. ζ represents virtually metaphysical axis. From the metaphysical space all spacetime universes are existing timelessly, within the universe time exists and the story is being realized.

The Metaphysical Non-Dimensional Space Incorporates the Total Information

Theorem 2.2 elaborates that for any temporal physical object e.g. particle, living, plant, sun, galaxy and all spacetime universes, there is a frequencies wave pattern representing the spatial-temporal information of the object and vice versa.

For any temporal physical object there is a virtual metaphysical replica [5]. This means for example, a virtual eyes, virtual mouth, or virtual brain. *The virtual entity is the pure consciousness.*

7. THE MULTI FACES OF A PARTICLE

Any set of numbers *i.e.* real or complex or any set of functions is a metaphysical information telling the story of a physical object. The set can be finite, infinite, uncountable or countable, discrete, or continuous. For example, Fourier coefficients, Fourier integral, Taylor series, manifolds, etc.

From the metaphysical perception *i.e.*, consciousness sensation (see Section 13 below), those numbers represent particles sensation as attraction characteristic (*i.e.*, gravitation if the number is positive) or complementary characteristic as rejection (anti-gravitation if the number is negative).

The coefficients of a wave shape sequence are simultaneously the wave itself and the particles taking part in the wave. Thus, particles are represented by other particles, which make it difficult to point out on a single definite location. Furthermore, a slight change in the wave phase may cause to a change in the location of a particle being represented by the wave sequence.

Therefore, it is difficult to identify single unique location of a particle due to the other particles participating in the presentation. Particle's location may deceive the observer.

8. COORDINATE SYSTEM

Let $U(X)$ be a spacetime universe associated with spatial-temporal coordinate system $X = (x, y, z, t) = (x^1, x^2, x^3, x^4)$. Einstein general relativity teaches us that the geometry of the coordinate

system depends on various local forces, for example the gravitation forces induce by the galaxies and planets defines local manifold, *i.e.*, a manifold twisted by the gravitation forces. Light emitted in certain star will always travel over Geodesic curve representing the shortest path over the manifold. In General relativity, spacetime metric has the following structure,

$$ds^2 = g_{\mu\nu} dx^\mu dx^\nu, \quad (8.1)$$

where $g_{\mu\nu}$ is a non-singular 4×4 functional matrix.

Einstein theory is bounded to 4D spacetime dimension 3D spatial location and 1D time while avoiding for example the frequency domain associated with the spacetime components. Furthermore, the theory does not deal with external forces induces from the complementary matter.

Einstein General relativity does not consider complementary forces resulting from complementary matter. The theory deals with one part of the pseudo Equation (3.1), *i.e.* $\{U\}$. Therefore, the General Relativity theory is incomplete. A complete theory would consider the two parts of the pseudo Equation (3.1), representing complete physics that collapses timelessly into null physics or the metaphysics. The symbiosis between matter and complementary matter would assist us to travel within and between spacetime universes.

Einstein General relativity promoted humanity to understand that spacetime is a bended curved space complies with the local forces within $\{U\}$. Yet, on the other hand that theory blocked humanity to expand consciousness beyond physics, *i.e.* beyond awareness, into the metaphysics.

For example, any random matrix satisfying Equation (8.1) determine a local spacetime geometry. Imagining spacetime geometry then a spacetime universe complies with our consciousness imagination exists. The geometry does not have to be realized in the current spacetime universe. It just exists due to the completeness of the metaphysical space.

9. SPACETIME TRAVEL

9.1. Jump Drive and Ezekiel's Dry Bones Prophecy

Jump drive does not require spaceship, no need to travel the points connecting between two stars. Jump drive is a device like stargate. Go inside and jump into the desire spacetime location. The general idea was provided by the author in [2].

The idea is to execute simultaneously the forward and backward Fourier transform on a real physical object.

The Jump Drive is described by the following forward-backward Fourier transform [2],

$$f(X) = c^2 \int_M \int_{S_E} f(V) e^{2\pi i [\Omega(X-V)]} dV d\Omega \quad (9.1)$$

where, $\Omega \in M \subseteq \mathbb{R}^4$ represents 4D frequency subsets within the \mathbb{R}^4 Euclidean space and $V \in S_E \subset \mathbb{R}^4$, where $V = (v^1, v^2, v^3, t_e)$ represents the spatial-temporal coordinate vector within the Stargate device S_E located on planet Earth. The local time t_e vary between $t_0 \leq t_e \leq t_1$. Thus, we assume that $f(V)$ is spatial-temporal zero outside itself and outside the temporal interval $[t_0, t_1]$.

$X = (x^1, x^2, x^3, x^4) = (x, y, z, t_d)$ is a spatial-temporal vector representing the new destination on an arbitrary planet A.

Avoiding time mismatch, the local time t_e and destination time t_d are synchronized with the universal time U_r . Universal time means the time since initialization of the universe, e.g. big bang.

The differential vector $(x^1 - v^1, x^2 - v^2, x^3 - v^3, t_d - t_e)$ represents spatial-temporal shift. $f(V)$ represents the appearance of the real object within the Jumper device S_E located on planet Earth, while $f(X)$ represents the appearance of the real object on the selected location on planet A.

Implementing Equation (9.1) requires building a stargate device for executing the forward-backward Fourier transform on real object. The object shall disappear from the device and reappear in the new desire location while between the object is transformed into the frequency domain.

Since the destination time on planet A and Earth time are synchronized with the Universal time U , then, if $t_d > t_1$ the appearance of the object $f(X)$ would be in the future time of planet Earth and if $t_d < t_0$, the appearance of the object $f(X)$ would be in the past time of planet Earth. However, since Fourier transform is a noncausal operator, then, there is no guarantee that the events outside the original $[t_0, t_1]$ timeline on planet Earth may correspond with the original timeline. In that case, the appearance would be in parallel (different) spacetime Universe.

Furthermore, the object will not get older or younger, it will appear as it was during the period $[t_0, t_1]$ in the future or the past timeline or in any other spacetime universe.

The outcome of the Fourier Transform on real physical object, transforms the object into the frequency space. Since the frequency space is free of matter, energy, and time, then, the object ceases to exist within the current 4D spacetime universe. The object is part of the metaphysical non dimensional informative space, and it can be restored in any spacetime universe.

At this point we have no knowledge on how to store frequencies wave pattern in the metaphysical space, therefore, the forward-backward Fourier transforms *i.e.* Equation (9.1) is executed simultaneously in the current local time.

The restoration of a physical object is like the concept of restoring digital object using forward-backward Fourier Transform, but now the signal is a real physical object, a real bio signal as of human being.

Ezekiel prophecy (chapter 37) describes the restoration of the flesh of the Israelites from their dry bones. In fact, from the scientific point of view, the prophecy deals with bio signal restoration, just as dealing with computerized signal restoration.

The second part of Ezekiel's prophesy is the incarnation of the pure consciousness (*i.e.* the soul) within the restored entities.

Due to the completeness of the metaphysical space, the frequency information of any object exists timelessly and thus enables the restoration of any spatial-temporal physical object.

The restoration of the object in the new location by the jump drive inverse Fourier transform has no difference from Ezekiel dry bones restoration prophecy. Both cases deal with signal restoration.

Of note, the second part of the prophecy describe the incarnation of the souls within the bodies, in that sense incorporating consciousness as described in the conclusion 2.4. Further explanation about the pure consciousness is provided by the author in [5] and in Section 13.

Ezekiel, Chapter 37:

1) *The hand of the LORD came upon me. He took me out by the spirit of the LORD and set me down in the valley. It was full of bones.*

2) *He led me all around them; there were very many of them spread over the valley, and they were very dry.*

3) *He said to me, "O mortal, can these bones live again?" I replied, "O Lord GOD, only You know."*

4) *And He said to me, "Prophesy over these bones and say to them: O dry bones, hear the word of the LORD!*

5) *Thus said the Lord GOD to these bones: I will cause breath to enter you and you shall live again.*

6) *I will lay sinews upon you, and cover you with flesh, and form skin over you. And I will put breath into you, and you shall live again. And you shall know that I am the LORD!"*

7) *I prophesied as I had been commanded. And while I was prophesying, suddenly there was a sound of rattling, and the bones came together, bone to matching bone.*

8) *I looked, and there were sinews on them, and flesh had grown, and skin had formed over them; but there was no breath in them.*

9) *Then He said to me, "Prophesy to the breath, prophesy, O mortal! Say to the breath: Thus said the Lord GOD: Come, O breath, from the four winds, and breathe into these slain, that they may live again."*

10) *I prophesied as He commanded me. The breath entered them, and they came to life and stood up on their feet, a vast multitude.*

...

From the scientific approach such restoration is achievable only if the frequencies wave pattern of each human is known. Yet, as noted, since the metaphysical space is complete, then the frequencies wave pattern of any object including living object exists timelessly and can be used to restore a body at any spacetime universe. Incarnating the pure consciousness is also achievable due to the metaphysical exitance of the pure consciousness describing the person characteristic at any spacetime universe [5]. In that sense Section 2.1 theorem 2 and conclusion 2.4 (see also [5]) tells us that any object has a metaphysical virtual duplicate, soul or pure consciousness represents a virtual object and the characteristic behavior of the physical object. The second part of Ezekiel prophecy tells us about incarnating the soul (consciousness) in the restored flesh.

9.2. Warp Drive

Jump drive represents a shortcut for space travel, kind of discontinuous travel. However, warp drive requires actual space journey through the points connecting the two planets.

Alcubierre introduces warp drive bubble [3, 6, 7]. However, Alcubierre's geometry produces negative density energy everywhere.

This paper does not put in question Einstein density Energy tensor, rather indicates that Alcubierre geometry does not comply with Einstein energy tensor for producing positive energy.

Alternative models are suggested hereunder. It is suggested to avoid the projection of (x, y, z) onto $(X, 0, 0)$ and to replace the radial distance by alternative distance function.

9.2.1. Alternative Warp Drive Geometry with Nonnegative Density Energy

Adopting the metric model of Alcubierre M. [3, 6], Natario J. [7] with the manifold $M = R^4$ of the Cartesian coordinate system (x, y, z, t) and the metric

$$ds^2 = (dx - Xdt)^2 + (dy - Ydt)^2 + (dz - Zdt)^2 - dt^2 \quad (9.2)$$

The Eulerian observers is the trace,

$$\theta = \nabla X = TrK = K_i^i \quad (9.3)$$

and the energy density E yields,

$$E = T_{ab}n^a n^b = \frac{1}{16\pi} \left({}^{(3)}R + K^2 - K_j^i K_i^j \right) \quad (9.4)$$

where the intrinsic ${}^{(3)}R$ curvature vanishes for flat metric. The geometric portion of the energy density E yields

$$\begin{aligned} K^2 - K_j^i K_i^j &= 2\partial_x X \partial_y Y + 2\partial_x X \partial_z Z + 2\partial_y Y \partial_z Z \\ &\quad - \frac{1}{2}(\partial_x Y + \partial_y X)^2 - \frac{1}{2}(\partial_x Z + \partial_z X)^2 - \frac{1}{2}(\partial_y Z + \partial_z Y)^2 \end{aligned} \quad (9.5)$$

9.2.2. Choices of Distance

Alcubierre geometry has the following form,

$$X = vf(r), \quad Y = Z = 0 \quad (9.6)$$

where the distance function r is the Euclidean radial square root,

$$r^2 = (x - x_s)^2 + y^2 + z^2 \quad (9.7)$$

As a result of Equation (9.6) and (9.7), the density energy produces by Alcubierre model is negative everywhere, *i.e.*,

$$E = \frac{1}{16\pi} (K^2 - K_j^i K_i^j) = \frac{1}{16\pi} (\theta^2 - K_j^i K_i^j) = -\frac{v^2 (x^2 + y^2)}{32\pi r^2} \left(\frac{df}{dr} \right)^2 \quad (9.8)$$

There aren't many choices that lead Equation (9.8) to be nonnegative with feasible geometrical warp drive structure. A potential solution would be to replace r by trigonometric function and to avoid the projection of the old coordinate system only on single axis X . For example,

$$\Psi(d) = (\cos(d))^\alpha \quad \alpha \geq 1 \quad (9.9)$$

$$X = v(t) \cdot \Psi(d), \quad Y = v(t) \cdot \Psi(d), \quad Z = v(t) \cdot \Psi(d) \quad (9.10)$$

$$v^2(t) = v_x^2(t) + v_y^2(t) + v_z^2(t) \quad (9.11)$$

$$\text{Alternative } v(t) = (v_x(t) + v_y(t) + v_z(t))/3 \quad (9.12)$$

$$v_x(t) = \frac{dx_x(t)}{dt}, \quad v_y(t) = \frac{dy_y(t)}{dt}, \quad v_z(t) = \frac{dz_z(t)}{dt} \quad (9.13)$$

$$d = p - p_d(t), \quad p = \frac{\pi}{2R} \frac{x+y+z}{3}, \quad -R \leq x, y, z \leq R \quad (9.14)$$

$$p_d(t) = \frac{\pi}{2R} \frac{x_x(t) + y_y(t) + z_z(t)}{3} \quad (9.15)$$

where $v_x(t), v_y(t)$ and $v_z(t)$ are arbitrary velocity in x, y and z direction and v is a combined velocity as described in Equation (9.11) as combined square root velocity or as in (9.12) the average velocity. The idea of using the trigonometric function is to get even curve shape while using 1st order coordinates transformation (*i.e.* $x + y + z$). *However, there is a loss of radial symmetry.*

The Eulerian observer, (Equation (9.3)) yields,

$$\theta = -\frac{\pi v \alpha}{2R} \sin(d) (\cos(d))^{(\alpha-1)} \quad (9.16)$$

and the density energy Equation (9.4), collapses into zero, *i.e.*

$$\begin{aligned} E &= \frac{1}{16\pi} (K^2 - K_j^i K_i^j) \\ &= \frac{\pi v^2 \alpha^2}{96R^2} \left[\left(\sin(d) (\cos(d))^{(\alpha-1)} \right)^2 - \left(\sin(d) (\cos(d))^{(\alpha-1)} \right)^2 \right] = 0 \end{aligned} \quad (9.17)$$

This model can be revised as follows,

$$\Psi(d) = c \cdot \left(1 - e^{\beta(\cos(d))^\alpha} \right), \quad \text{where } c = \frac{1}{1 - e^\beta} \quad (9.18)$$

$$X = v(t) \cdot \Psi(d), \quad Y = v(t) \cdot \Psi(d), \quad Z = v(t) \cdot \Psi(d) \quad (9.19)$$

$$v^2(t) = v_x^2(t) + v_y^2(t) + v_z^2(t) \quad (9.20)$$

$$\text{Alternative } v(t) = (v_x(t) + v_y(t) + v_z(t))/3 \quad (9.21)$$

$$v_x(t) = \frac{dx_x(t)}{dt}, \quad v_y(t) = \frac{dy_y(t)}{dt}, \quad v_z(t) = \frac{dz_z(t)}{dt} \quad (9.22)$$

$$d = p - p_d(t), \quad p = \frac{\pi}{2R} \frac{x+y+z}{3}, \quad -R \leq x, y, z \leq R \quad (9.23)$$

$$p_d(t) = \frac{\pi}{2R} \frac{x_x(t) + y_y(t) + z_z(t)}{3} \quad (9.24)$$

Simplifying the model with $\alpha = \beta = 1$, we get,

$$\theta = \frac{\pi c v}{2R} e^{\cos(d)} \sin(d) \quad (9.25)$$

and the density energy Equation (9. 4), collapses into zero, *i.e.*

$$E = \frac{1}{16\pi} (K^2 - K_j^i K_i^j) = \frac{\pi v^2 c^2}{96R^2} e^{2\cos(d)} \left[(\sin(d))^2 - (\sin(d))^2 \right] = 0 \quad (9.26)$$

Although $\cos(d)$ does not serve as traditional Euclidean square root distance, we suggest using this distance due to its first order coordinate transformation enabling to eliminate the negative density energy.

For constant $z = 0$, $\{\Psi\}$ has a parachute shape. The combination of the upper shape *i.e.* $\{\Psi\}$ with a shifted symmetrical lower shape $\{-\Psi\}$ may produce continuous cylindrical like shape (kind of cigar shape). The derivative of the upper geometry produces sine bubble shape. As a result of using 1st order coordinate transformation (e.g. $x + y + z$), the radial hat geometry proposed by Alcubierre is replaced with sort of parachute geometry which enable to eliminate negative density energy. Yet, the combination of the upper and lower geometry enables a cylindrical geometrical structure as shown in **Figure 2**, while **Figure 3** presents a combination of the upper and lower geometries that may result in a cylindrical tube shape.

Of note: the sum of the Eulerian symmetrical geometries, the upper Ψ and the lower $\{-\Psi\}$ is zero, *i.e.* $\theta_{upper} + \theta_{Lower} = 0$.

Additional configuration could be by combining several upper structures with a flat base, as shown in the following **Figure 4**.

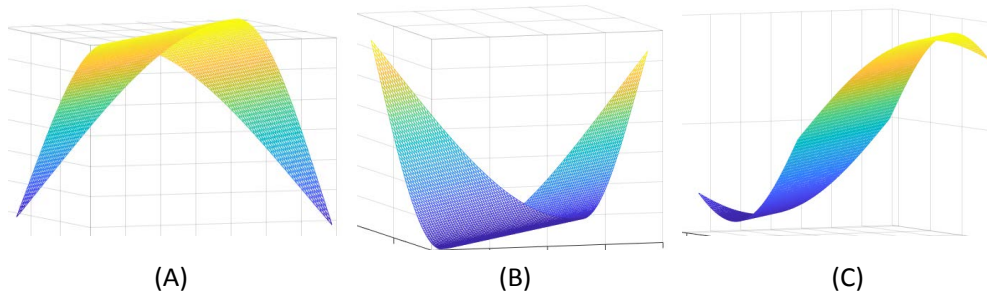


Figure 2. For $z = 0$, (A) Ψ has a shape of parachute. (B) lower parachute *i.e.* $-\Psi$. (C) the derivative of the upper parachute resulting in a bubble waveform.

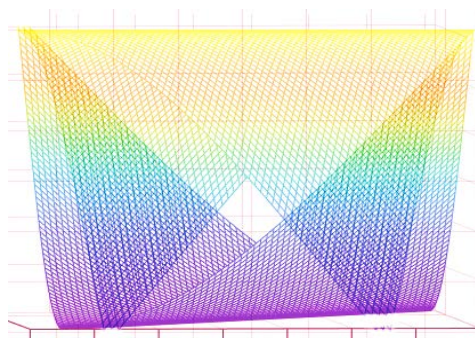


Figure 3. A combine of the upper and lower geometries (Equation (9.3.2.4), (9.3.2.13)) results in sort of a cigar shape.



Figure 4. A combine of shifted upper geometries $\Psi_3 \circ \Psi_2 \circ \Psi_1$.

10. GROUP REPRESENTATION FOR FLEXIBLE SPACESHIP GEOMETRY

The idea is to manipulate the spaceship fuselage geometry by group elements. Let Ψ be a mutual mother geometry such that,

$$X = av(t)T(g)\Psi = av\Psi(g^{-1}\bar{X}) \quad (10.1)$$

$$Y = av(t)T(g)\Psi = av\Psi(g^{-1}\bar{X}) \quad (10.2)$$

$$Z = av(t)T(g)\Psi = av\Psi(g^{-1}\bar{X}) \quad (10.3)$$

where $T(g)$ is the quasi representation of G (Vilenkin [8]). $\bar{X} = (x, y, z)$ represents the old coordinate system and (X, Y, Z) the new coordinate system. $v(t)$ is a combined arbitrary velocity. Ψ is designed as the mother spaceship geometry where the element g of G deforms the spaceship coordinate system. For example, let $G(A, \bar{b})$ be the affine group of scale and rotation matrices and shift vector \bar{b} indicating the new location. $T(g)\Psi$ stretches and revolves the spaceship around itself while \bar{b} points on the new location. The choice of the mother geometry Ψ based on group representation such as of wavelet geometry may assist in better design of a flexible spaceship structure.

11. GEOMETRIES BASED ON GROUP OPERATORS

Let,

$$X = [\mathcal{L}_1]\Psi_1 \quad (11.1)$$

$$Y = [\mathcal{L}_2]\Psi_2 \quad (11.2)$$

$$Z = [\mathcal{L}_3]\Psi_3 \quad (11.3)$$

be the new coordinate system where $\Psi_i (i=1,2,3)$ stands for spaceship functional geometry. \mathcal{L}_i stands for first order derivative operator linearly composed by the following operators,

$$(1, \partial_x, \partial_y, \partial_z, x\partial_x, y\partial_y, z\partial_z, x\partial_y, y\partial_x, x\partial_z, z\partial_x, y\partial_z, z\partial_y) \quad (11.4)$$

Alcubierre model uses $\mathcal{L}_1 = \mathcal{L}_2 = \mathcal{L}_3 = 1$ while projecting the (x, y, z) onto $(X, 0, 0)$ and together with second order radial distance impact the Einstein energy density to be negative everywhere. The shifting operator [4, 9] may assist to overcome negative energy. The shifting operator has the following structure

$$X = \partial_x \Psi_1 \quad (11.5)$$

$$Y = \partial_y \Psi_2 \quad (11.6)$$

$$Z = \partial_z \Psi_3 \quad (11.7)$$

The shifting operator may cause the spaceship to fluctuate during halt.

A Potential solution using shifting operator was provided by the author [4] as shortly described hereunder.

Model 1:

$$\Psi(r) = av \left(1 - \left(\frac{r}{R} \right)^{2p} \right), \quad a > 0 \quad \text{for } 0 \leq r \leq R \quad \text{otherwise } 0 \quad (11.8)$$

$$\Psi_1 = \Psi_2 = \Psi_3 = \Psi \quad (11.9)$$

$$r^2 = (x - x_s)^2 + (y - y_s)^2 + (z - z_s)^2 \quad (11.10)$$

$$v_x(t) = \frac{dx_s}{dt}, \quad v_y(t) = \frac{dy_s}{dt}, \quad v_z(t) = \frac{dz_s}{dt} \quad (11.11)$$

$$a > 0, \quad p = 1, 2, \dots \quad \text{and} \quad v_x(t), v_y(t), v_z(t) \quad (11.12)$$

are the directional velocities in x , y and z respectively.

$$v(t) = \sqrt{v_x^2(t) + v_y^2(t) + v_z^2(t)} \quad (11.13)$$

Alternative $v(t)$ may be chosen as the average velocity.

Simplifying the model by setting $R = 1$. **Figure 5** presents a combine symmetrical geometry

$\Psi(r) = a \cdot v(1 - r^2)$ for the upper and lower $\{-\Psi\}$ geometries.

Model 2:

$$\Psi(r) = ave^{-br^2} \quad \text{for } 0 \leq r \leq R = 1 \quad \text{otherwise } 0. \quad (11.14)$$

where Equation (11.8) to Equation (11.12) are kept unchanged.

Figure 6 is an example of planer Gaussian,

$$G(r) = \frac{1}{2\pi\sigma^2} e^{-\frac{r^2}{2\sigma^2}} \quad (11.15)$$

The Eulerian observers is the Laplacian of the Gaussian (**Figure 7**)

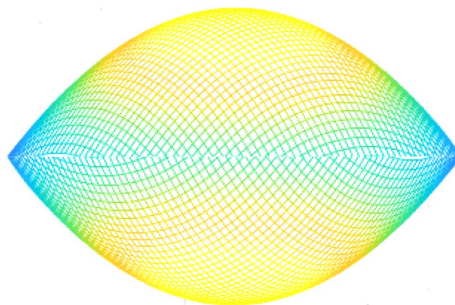


Figure 5. Symmetrical upper and lower geometry for $\Psi(r) = av(1 - r^{2p})$, $a = 0.5$ and $v = 1$.

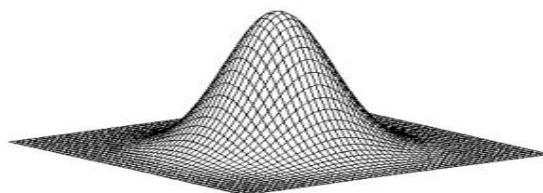


Figure 6. Example of 2D planer Gaussian.

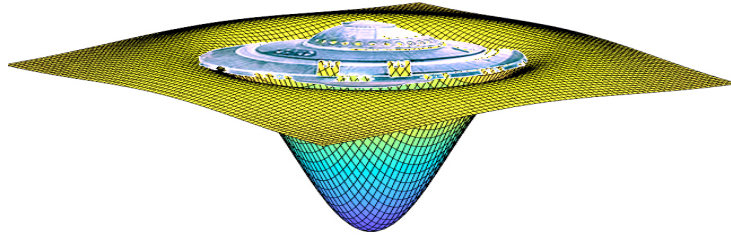


Figure 7. θ represents symmetrical bubble. The most negative value is where $r = 0$ (i.e. $-6avb$) and the surrounding reflect positive circle wave whenever $r \geq \sqrt{\frac{3}{2b}}$, $\theta \geq 0$. The hat negative height can be configured by a and b . The bubble decays to zero for virtual r tending infinity.

$$\theta = \partial_x^2 \Psi + \partial_y^2 \Psi + \partial_z^2 \Psi = 2avbe^{-br^2} (2br^2 - 3) \quad (11.16)$$

Both models 1 and 2 produce positive energy as shown by the author in [4].

12. THE PERCEPTION OF DNA AS CHAIN OF FREQUENCIES

The discovery of the DNA geometrical structure and mapping the gene is a great achievement to humanity. In this chapter we ask simple question, is there a mathematical code to DNA?

Our analysis is based on the momentary Fourier Transform, e.g. Gabor transform. We assume that Fourier transform can be applied on a human body just as suggested in the jump drive device. From our perception human body is just a biological signal, the fact that it is not stored in a digital memory does not eliminate the possibility that human body can be transformed into the frequency domain. We just need to build the jump drive device.

Momentary DNA reflects a momentary biological status, e.g. DNA of a child at age 10 compare to his DNA at age 50. The momentary DNA reflects the current age.

Assuming the existence of the Gabor Transform (momentary Fourier Transform) of a human being. Let, $F(\Omega, T)$ represents the Gabor transform of a person at age corresponding to the time T . This can be formulated as follows,

$$F(\Omega, T) = c_1 \int_H f(V) g(t - T) e^{-2\pi i \Omega V} dV \quad (12.1)$$

where, $\Omega \in M \subseteq \mathbb{R}^4$ represents 4D frequency subsets within the Euclidean space \mathbb{R}^4 , $V \in H \subset \mathbb{R}^4$ i.e. $V = (v^1, v^2, v^3, t)$ represents the spatial-temporal coordinate vector (x, y, z, t) of any point within the human body $f(V)$ at local time t and $dV = dv^1 dv^2 dv^3 dt = dx dy dz dt$. The function $g(t)$ is a gaussian window time shape function. $f(V)$ is spatial zero outside itself.

Considering the following inverse representing the human being at age corresponding with the time T .

$$f(V) g(t - T) = c_2 \int_M F(\Omega, T) e^{+2\pi i \Omega V} d\Omega \quad (12.2)$$

Equation (12.1) and (12.2) are frequently used in analyzing digital signals stored in digital memory. However, in this case the transformation is conducted on real biological object, outside a computer environment.

The idea of representing human body by a single value function $f(V)$ has certain drawback since the body may produce more than single value. A suitable representation would be by a functional vector

$\{f_1(V), f_2(V), f_3(V), f_4(V), \dots, f_n(V)\}$ where each component represents different aspect of the body e.g. heat, flow, pressure, sort of tissue, etc. Yet, assuming $f(V)$ represents the human body within a transporter device such as the jump drive device for transforming the human body into chain of frequencies.

Considering a discrete version of Equation (12.1) and (12.2).

$$f(V)g(lt_0 - T) = c \sum_{(p,n,m,d)} C_{(p,n,m,d),T} g(lt_0 - T) e^{2\pi i(pq\Omega_0^1 x_0 + ns\Omega_0^2 y_0 + me\Omega_0^3 z_0 + dl\Omega_0^4 t_0)} \quad (12.3)$$

where,

$$C_{(p,n,m,d),T} = c \sum_{(q,s,e,l)} f(qx_0, sy_0, ez_0, lt_0) g(lt_0 - T) e^{-2\pi i(pq\Omega_0^1 x_0 + ns\Omega_0^2 y_0 + me\Omega_0^3 z_0 + dl\Omega_0^4 t_0)} \quad (12.4)$$

wherein, the sampling intervals satisfy the critical sampling requirement,

$$\Omega_0^1 x_0 \leq C_0, \quad \Omega_0^2 y_0 \leq C_1, \quad \Omega_0^3 z_0 \leq C_2, \quad \Omega_0^4 t_0 \leq C_3$$

and the indices (p, n, m, d, q, s, e, l) are all integers and (C_0, C_1, C_2, C_3) are positive constants.

It is now clear from Equation (12.4) that the frequency-temporal coefficients set $\{C_{(p,n,m,d),T}\}$ represents a human body $f(V)$ at age corresponding to any local time T . Simultaneously, the body $f(V)$ at the same age at any local time T is also being represented by the momentary DNA.

Since the sequence $\{C_{(p,n,m,d),T}\}$ and the DNA sequence are representing the same human body at any time T , we conclude that there are matching patterns connecting between the temporal-frequencies $\{C_{(p,n,m,d),T}\}$ and the temporal DNA. For example, if replacing certain frequencies may influence the color of the eyes, then there is a local DNA pattern corresponding to these frequencies. It may appear that the temporal DNA is just a physical representation of the metaphysical sequence of frequencies representing the momentary human body. The following **Figure 8** represents the general idea.

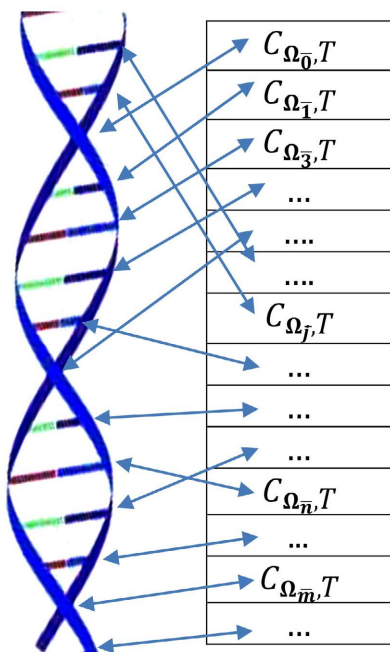


Figure 8. A potential match between momentary sequence of frequencies $C_{\Omega_j, T} = C_{(p_j, n_j, m_j, d_j), T}$ and momentary DNA sequence.

Of note, the chain of frequencies (Equation (12.4)) $\{C_{(p,n,m,d),T}\}$ are pure metaphysical information representing a human body at specific age of the local time T . This leads us once again to the dry bones prophecy, recall section 9, the dry bones prophecy (Ezekiel chapter 37), describes a metaphoric restoration of the Israelites nation. It is now clear that any physical object may be restored by its associated pure metaphysical chain of frequencies representing a human flesh.

It is beyond the scope of this paper exploring further the potential of a metaphysical observer who may have sufficient intention power to restore or recreate physical objects.

13. CONSCIOUSNESS AND BRAIN NEURAL PATTERNS

Cords of consciousness and consciousness were defined by the author in [5]. Basically, neuron is kind of a gate, it may be in idle mode or responding or receiving chemical charge. When group of neurons fire synchronically, we treat this group of neurons as neural pattern. The group is defined by the actual synaptic connection.

13.1. Definition 6: Cord of Consciousness

Cord of consciousness is the outcome of neural pattern, vice versa, a metaphysical sensation reflecting cords of consciousness creates/recreates neural patterns

When a neural pattern is created the outcome is a metaphysical sensation e.g. memory, feeling, intention, etc., reflecting cord of consciousness. Vice versa a metaphysical sensation e.g. dream, idea, memory, feeling, etc. creates/recreates neural patterns.

13.2. Definition 7: Consciousness

Consciousness is defined to be the set of all cords of consciousness. The set can be finite, infinite, countable or countable.

13.3. Mathematical Example of Consciousness by Means of Neural Patterns

Let $N_{\Omega}(X)$ be a spatial-temporal Neuron located at $X = (x(t), y(t), z(t))$ position in the body, e.g. brain.

$$N_{\Omega}(X) = ae^{-2\pi i X \Omega} = ae^{-2\pi i(x\Omega_x + y\Omega_y + z\Omega_z)} \quad (13.1)$$

where $\Omega = (\Omega_x(t), \Omega_y(t), \Omega_z(t))$ is the momentary frequency vector associated with the temporal spatial location $X = (x(t), y(t), z(t))$ of a neuron. The constant a represents a momentary amplitude of the neuron response. Simplifying the model by setting $a = 1$.

The neural pattern momentary amplitude reflects the number of synchronized neurons in the group *i.e.* the neural pattern which reflect cord of consciousness.

Let \mathbf{I} represent the Mona Liza picture. The light is projected from the Mona Liza onto the retina sensors and from the retina the signal is transferred to the visual cortex such that neural patterns representing the Mona Liza are being created (if for the first time) or recreated. The outcome of the neural patterns are metaphysical cords of consciousness. A neural pattern may be defined in the following way,

$$\begin{aligned} \Delta_{(P,\Omega)} &= [s(X) * N_{\Omega}(X)](P) = \int_M s(X) e^{-2\pi i(P-X)\Omega} dX \\ &= e^{-2\pi i P \Omega} S(\Omega) = N_{\Omega}(P) S(\Omega) \end{aligned} \quad (13.2)$$

The symbol $*$ stands for convolution, $\Delta_{(P,\Omega)}$ represents the neural patterns, where $N_{\Omega}(P)$ is the neuron activity located in P position and $S(\Omega)$ is the Fourier transform of the input signal $s(X(t))$ streaming in the net. $N_{\Omega}(P)$ represents the virtual hologram phase location where the frequencies representing the signal are virtually stored.

A simple way to restore the signal from Equation (13.2) would be by integrating the frequencies over

the local manifold M (Equation (13.2)), *i.e.*

$$\int_M N_\Omega(P) S(\Omega) d\Omega = \int_M S(\Omega) e^{-2\pi i P \Omega} d\Omega = s(P) \quad (13.3)$$

The outcome is a single point value representing the phase hologram location. It seems more likely that the restoration may reflect the opposite similar convolution decoding mechanism over the frequencies local manifold M ,

$$\begin{aligned} & [N_\Omega(P) S(\Omega) * N_\Omega(X)](V) \\ &= \int_M S(\Omega) e^{-2\pi i P \Omega} e^{-2\pi i X(V-\Omega)} d\Omega = e^{-2\pi i X V} \int_M S(\Omega) e^{2\pi i (X-P)\Omega} d\Omega \\ &= e^{-2\pi i X V} s(X-P) = N_V(X) s(X-P) = s(X-P) \end{aligned} \quad (13.4)$$

For $V=0$, the signal restoration (memory) reflects a virtual location. The Mona Lisa image is virtually popping up as hologram projection reflected by the virtual differences between the members of the neural patterns X and the phase group patterns P .

The outcome e.g. the Mona Lisa restoration is a metaphysical sensation. This idea is well demonstrated in **Figure 9** below.

Considering a finite discrete version of Equation (12.5) and (12.6) where the spatial vector

$$X_K = (nx_0, my_0, kz_0) = \left(\frac{n}{\sqrt{D_1}}, \frac{m}{\sqrt{D_2}}, \frac{k}{\sqrt{D_3}} \right) \quad (13.5)$$

and the frequency vector,

$$\Omega_M = (q\Omega_x^0, p\Omega_y^0, l\Omega_z^0) = \left(\frac{q}{\sqrt{D_1}}, \frac{p}{\sqrt{D_2}}, \frac{l}{\sqrt{D_3}} \right) \quad (13.6)$$

satisfy the following orthogonality,

$$\begin{aligned} & c \sum_M N_{\Omega_M}(X_K) \bar{N}_{\Omega_M}(X_L) = c \sum_M e^{2\pi i (X_{K_1} - X_{K_2}) \Omega_M} \\ &= c \sum_l \sum_p \sum_q e^{2\pi i \left[\frac{(n_1 - n_2)q}{D_1} + \frac{(m_1 - m_2)p}{D_2} + \frac{(k_1 - k_2)l}{D_3} \right]} \\ &= c \sum_l e^{\frac{2\pi i (k_1 - k_2)l}{D_3}} \sum_p e^{\frac{2\pi i (m_1 - m_2)p}{D_2}} \sum_q e^{\frac{2\pi i (n_1 - n_2)q}{D_1}} \\ &= \begin{cases} 1 & \text{if } k_1 = k_2 \ \& \ m_1 = m_2 \ \& \ n_1 = n_2 \\ 0 & \text{otherwise} \end{cases} \end{aligned} \quad (13.7)$$

The indices (l, p, q) vary from zero to the number of neurons (D_1, D_2, D_3) respectively. Based on Equations (13.4), and (13.7)

$$I_{Holo}(X-P) = \left[\Delta_{(P, \Omega_H)} * N_{\Omega_H}(X) \right](0) = \sum_H \left\{ S(\Omega_H) e^{2\pi i (X-P)\Omega_H} \right\} \quad (13.8)$$

where,

$$\Delta_{(P, \Omega_H)} = \left[s * N_{\Omega_H} \right](P) = \sum_K \left\{ s(X_K) \cdot N_{\Omega_H}(P - X_K) \right\} \quad (13.9)$$

I_{Holo} is the hologram projection resulting from the neural patterns activity. $K = (k, m, n)$ is the spatial vector of indices and $H = (q, p, l)$ is the frequency vector of indices.

The left side of Equation (13.8) represents a metaphysical sensation e.g. the Mona Lisa or imagination, idea, dream, voice, feeling, intention, etc. while the right side represents a physical neural activity.

Assuming $\Delta_{(P, \Omega_H)}$ was never physically experienced, then in such case, the outcome of Equation (13.8) reflects cords of consciousness of an idea, imagination, e.g. new vision or new voice or a dream, etc.

Cords of consciousness reflect a sensation and it shall popup whenever neural patterns are created no matter if it was experienced previously or not.

The integration manifold M (e.g. Equations (13.2), (13.3), (13.4)) reflects those neurons who fulfil certain associative or/and topological relations defined by the momentary group of neurons $N_{X(T)}(\Omega) \in N_{P(T)}(\Omega)$ where T represents the current interval time and $N_{P(T)}(\Omega)$ represents the P momentary phase element of the neural pattern.

Thus, the definition of M -manifold is by associating $N_{P(T)}(\Omega)$ to its group members satisfying for example a weak dot vector condition,

$$|X \cdot \Omega| = |P \cdot \Omega| \quad (13.10)$$

where P represents the virtual phase hologram location. Alternative strong condition per each component may have the following form,

$$|x\Omega_x| = |p_x\Omega_{p_x}|, \quad |y\Omega_y| = |p_y\Omega_{p_y}|, \quad |z\Omega_z| = |p_z\Omega_{p_z}| \quad (13.11)$$

The temporal neural pattern $\{N_{P(T)}(\Omega)\}$ is being created/recreated during an event. Based on the above, the integration neural manifold M is defined for example by the weak condition as follows.

13.4. Definition 8: The Neural Integration Manifold M

Neurons in M satisfy the following conditions:

$$N_{X(T)}(\Omega) \in N_{P(T)}(\Omega) \text{ iff } |X \cdot \Omega| = |P \cdot \Omega| \quad (13.12)$$

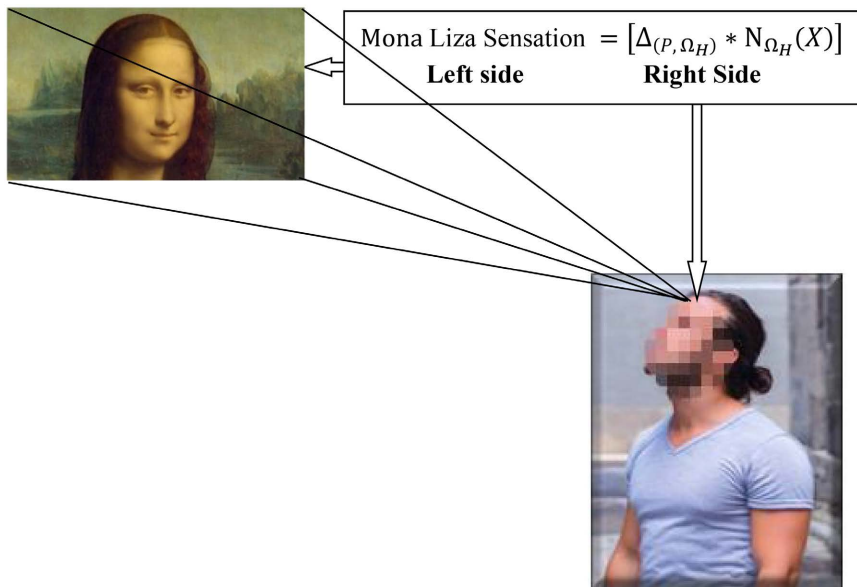


Figure 9. Right side represents the actual brain neural patterns restoring the Mona Lisa sensation. The outcomes are cords of consciousness reflecting the sensation of the Mona Lisa *i.e.* the left side. Vice Versa, the left side trigger the right side to generate neural patterns matching for example new idea. Left Side represents a timeless metaphysical sensation matched certain neural patterns elaborating on the specific local time that the metaphysical information was downloaded (Right side).

If N_x and N_y are two arbitrary neurons in the neural pattern represented by N_p , then N_x and N_y are **synaptically connected** and that includes N_p itself as part of the group pattern. (13.13)

Following definition 8, the integration manifold M (Equations (13.2), (13.3), (13.4)) under the Lebesgue integration are those neurons who satisfy the M conditions (**of note:** M does not have to be continuous manifold as mathematically defined in the literature).

The left side of Equation (13.8) represents a timeless sensation while the right side is a hologram projection for example the Mona Lisa image resulted from the neural activity occurs in a certain local time. **Figure 9** above elaborate the general idea.

The restoration may not be identical to the original historical event *i.e.* sensation, since the historical neural patterns may not be fully recovered due to certain biological malfunctions, such as lack of blood supply or lack of continuous use of the neural patterns, which may cause to diminishing certain neural synaptic connections.

14. THE NON-UNIQUENESS OF THE CONSCIOUSNESS

Although the body is unique per each spacetime universe, its consciousness is not unique. Going back to Equation (13.8) which is elaborated in **Figure 9**. The left side of the Equation (13.8) represents a metaphysical sensation matched certain neural activity of the right side. The metaphysical sensation could be a dream, intention, feeling, etc. Yet, the same metaphysical sensation can be experienced by other entities who created identical neural patterns in the right side of Equation (13.8).

The left side of Equation (13.8) reflects a timeless sensation, while the right side indicate on a local time that the body created neural patterns that matched with the timeless sensation of the left side.

Elaborating the above, a person dream can be shared by many others from different spacetime universes, and each person is sure that this dream is his own dream, own sensation, own feeling, and own intention, but as it seems the left side of Equation (13.8) can be experienced by many others from different spacetime universes sharing same neural patterns, in that sense same cords of consciousness. Consciousness is not unique to a single body. Humans, animals, aliens (from this spacetime universe), extra-terrestrial (from other spacetime universe), all of us sharing one complete non dimensional timeless consciousness. That is why, in the Hebrew bible we say ONE GOD.

The surprising part of Equation (13.8) is the left side trigger the right side, that what happen when the soul, the pure consciousness, triggers the neural activity causing ideas to popup, dreams, lucid dreams, astral projection, *i.e.* being outside the body experiencing the left side of Equation (13.8).

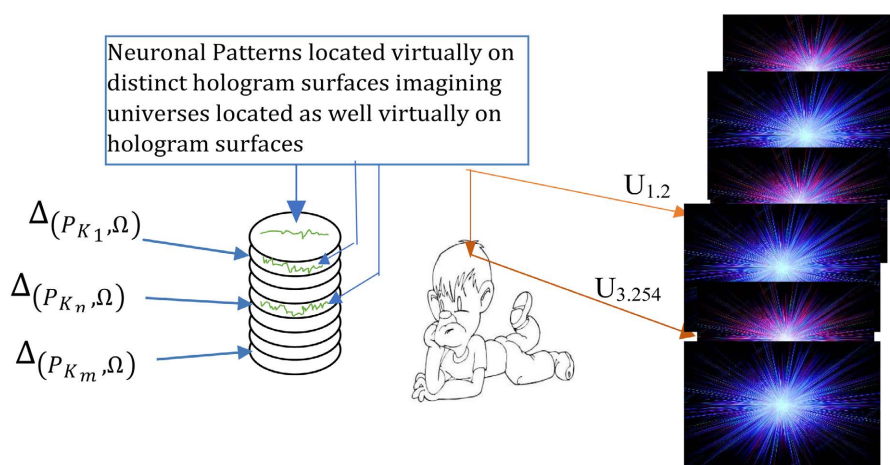


Figure 10. Cords of consciousness at different phase hologram imagining spacetime universes virtually located on different hologram surface. Everything is connected via cords of consciousness.

Do not say, impossible, try to be out there as pure consciousness experiencing the left side of Equation (13.8). When the metaphysical journey is downloaded to our awareness, neural patterns are being created and we will remember the metaphysical journey, otherwise, the journey is faded, *i.e.* not so clear.

The existence of consciousness without being incarnated is explained by the author in [5].

Figure 10 elaborates the existence of multi universes as cords of consciousness. From one side cords of Consciousness are virtually located on hologram surface defined by $N_p(\Omega)$ while thinking on universes that are located virtually on distinct hologram phase surface. The existence of the universes is just cords of consciousness. Everything is in our consciousness, and it is depending on us downloading the metaphysical information into neural patterns.

15. DOWNLOADING INFORMATION

Intention is the key for downloading metaphysical information. It triggers the consciousness to match neuronal patterns to the desire intention. Finding a solution to a certain problem, ideas, visions, imagination, dreams and being out there out of body, experiencing the consciousness virtual non dimensional metaphysical net, expending our consciousness to be metaphysical travelers and recreators of timeless events.

16. SUMMARY—EVERYTHING IS TIMELESSLY CONNECTED

The metaphysical space is timeless one complete non dimensional space. It incorporates the void and the void complementary. Void complementary incorporates all possible scenarios, all potential stories. For a story to be realized, a universe should exist for realizing the story. Solid matter is not the only possibility for realizing stories. There are many forms of realization.

The sensation of matter must obey *the metaphysical preservation law that the total matter and its complementary matter timelessly collapses into zero matter, i.e. null matter*. In our case, in this particular spacetime Universe, Matter is characterized by attraction and its complementary matter by rejection *i.e.* opposite attraction, reflecting anti gravitation.

Due to the completeness of the metaphysical space any potential logic scenario is realized. Realized means there is a spacetime universe realizing the story. Nonlogic scenario means cannot be realized in the sense that there isn't even single form of a universe that can realize the potential scenario. For example, the possibility that human will be one dimensional curve exists, is it logical scenario? Maybe, if yes then there is a spacetime universe realizing human life as one-dimensional curve. Who knows!

Due to the completeness of the metaphysical non dimensional space, different stories of the same person are being realized. Otherwise, it contradicts the completeness of the metaphysical non dimensional space. Although the metaphysical space is timeless yet, each spacetime universe carries its internal time telling the story of the universe since of its initialization.

Time and timeless can be elaborated by the following example, the time an observer is watching a movie in a Cinema may take one minute or two hours while the actor in the movie may live a full life. Imaging now the cinema is the metaphysical space and there is no time at all, while the players in the movie sense a full time. Furthermore, the players fight for their goals while the metaphysical space is complete and therefore lack of any goal, desire, or reason.

Consciousness is not unique although our body in this spacetime universe is unique. The outcome of neural patterns are timeless cords of consciousness and can be experienced by other entities who matched their neural patterns with the same cords of consciousness no matter in what space time universe they are located.

Traveling within and between spacetime universes is possible. Jumping between and within spacetime universe requires to transform the body into chain of frequencies *i.e.* applying simultaneously the Forward-Backward Fourier Transform on real objects, e.g. human being. We do that all the time in signal processing. We should learn how to that on real physical objects. Our body is a living biological signal, and it is possible transforming it into the frequency domain free of matter, energy, and time. In that case, the

body will vanish from the current spacetime universe and be restored in the desire spacetime universe.

Traveling in space by spaceship requires to construct the right spaceship geometry that produces the space bubble overcoming speed limitation while preserving positive energy. Yet, even though the spaceship may produce negative energy, if the negative energy shall not interrupt with the spaceship fuselage there should not be a risk.

We should overcome the boundaries of awareness by realizing that spacetime universes are metaphysical scenarios, where matter and complementary matter are feasible scenario as long as the conservation law of null matter is preserved.

Physical laws put barriers on our consciousness just as any other laws and regulation that may bind our consciousness. The balance between order (regulation, laws) and total freedom makes it possible to expend our consciousness beyond our biological sensors.

When putting aside the boundaries of physics as well as the boundaries of religious, we may free our consciousness to travel out of body in the metaphysical space, so we can be metaphysical travelers and re-creators.

It may sound bizarre, unrealistic, our consciousness carries the knowledge of every cell in our body, reflecting a virtual body with virtual eyes, mouth, ears, nose, and virtual brain. We need to learn how to use it when traveling out of body. Saying impossible just puts boundaries on our consciousness.

For those who have travel out of body and saw the magic of other extended consciousness, saw the way they travel in their physical worlds it may seem like magic. Yet, it is pure science without boundaries. For example, in a world of extended consciousness the entities travel from place to place while standing on a circle board, thinking where they wish to be. The board disappears and reappears in the new desired location. There are no roads, no cars, no need for more and more. These entities of extended consciousness are jumping from place to place according to their thoughts. Is it possible? If we say impossible, we just block our consciousness. We should release our consciousness boundaries and say possible, lets investigate how it is done. Such way of moving from place to place makes science to be so creative.

Let's extend our consciousness beyond the needs to have more lands, more money, more cars, more roads, more and more and more...let's build a jumping stargate device, so we can see other places. We may start by transforming simple objects like drop of water. Lets' be a spacetime travelers within the current spacetime universe and between other spacetime universes.

Finally, it is suggested to learn astral projection, being out of the body as pure metaphysical consciousness exploring the magic of the metaphysical non dimensional timeless space, meeting other entities, exploring the unknown, enjoying the beauty of beyond physics, of the virtual consciousness net.

CONFLICTS OF INTEREST

The author declares no conflicts of interest regarding the publication of this paper.

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