

Epineural Theory of Consciousness Part II: Time Space Continuum, The Cat Box Thought Experiment, A Case Study, And Itzhak Bentov's View of Consciousness

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Abstract

The aim of this study is to add to the previously published paper about epineural theory of consciousness. This paper will discuss more details about consciousness and build on the previously established foundation in order to have a comprehensive theory of consciousness. This paper presents a case study of a severe trauma to the frontal bone which resulted in removing it from the skull. The patient suffered eventually a brain death; even though; the bleeding was minimal and it was controlled. This case will be used to probe the mystery of consciousness.

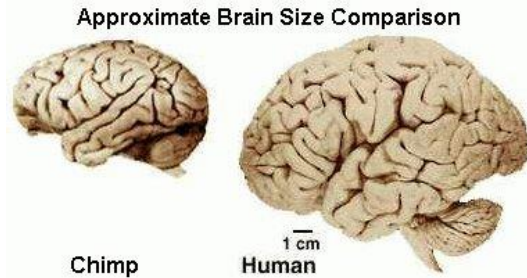
Keywords: Epineural; Theory; Consciousness; Sentience; Awareness

Introduction

The epineural theory of consciousness is based on the conclusions that these famous authors came to which is the probability of evolution is a solid theory is very low [1-6]. The theory of evolution might be seen as having some inaccuracies. Also, it could be considered a theory that is not fully proven. There are missing parts of the fossils records. In addition, there is something like the chicken or egg debate, which came first the DNA or the cell membrane? Because the cell can't live without both of them in the same time. Also, the cell membrane needs DNA to be formed. Likewise, the DNA needs a cell membrane in order to be formed. Some may believe that there are unclear aspects of this theory and there are many models of evolution that are contradictory to each other which is illogical based on the law of non-contradiction. Consciousness can't be explained by any model of evolution including, but not limited to the following models: 1-Darwinian, 2-New-Darwinian, 3-Lamarckian, 4-New-Lamarckian, 5-Epigenetic, 6- Orthogenetic, etc. The epineural theory of consciousness is based on two published papers before entitled

“Epineural Theory of Consciousness: Two Thought Experiments and a Preliminary Hypothesis” and “The Design of the Brain Cortex Involvement in Near-Death Experience and Out-of-Body Experience” [7,8]. The epineural theory of consciousness accepts bio-psychism and pan-psychism as instinctive consciousness in animals, plants, etc. The bio-psychic beings are more sentient more than non-biological entities. The only high sentient being that receive the universal (ethereal) signal is human, due to having different (Hyle) meaning essence and biological receptor (the cortex). The previously published paper titled “Epineural Theory of Consciousness: Two Thought Experiments and a Preliminary Hypothesis” has established that when the skull is damaged or removed the patient usually undergo the syndrome of trephined known as sinking scalp. In this paper, a new case of a patient who lost his frontal bone due to a severe trauma, but the brain was still intact. The patient was sent to a tertiary hospital as a lifesaving case. The patient arrived and the wound covered and the bleeding stopped and the patient was stable, but the patient condition suddenly condition worsen and ended up as a brain death case. This case proves the postulated theory in the two previously published

papers. Glial cells are different in numbers between humans and animals like a chimp for example. This difference is seen in the size of the brain difference.



Time and Space

Ibn Taymiyya Philosophy

Ibn Taymiyya, a Muslim Scholar, was the first person who described the time and space definition. He did not use the term place or location, but he used the term space. Ibn Taymiyya made a long commentary highlighted the need for the term “space”, not the terms “location or place” and these terms need to be avoided. Ibn Taymiyya definition of time and space as follows; time is the amount of change, not related to motion of the sun or the earth [9]. Ibn Taymiyya defines spaces with the following points:

- Space is different from location or place, since space is a nihilistic concept and a mental estimation for existential places. Places are objects themselves or the surface of these objects;
- Existence of object in space means the space of that object exists in nonexistence as a thought;
- Each place needs to have a boundary which eliminates places for infinity (∞);
- The mind imagines places to infinity which does not exist outside the mind in the real life;
- Affirming existence of space as an essence that can't be sensed by the 5 senses is platonic way of thinking which is not agreed upon by the thinkers that does not exist outside the mind. Anything outside the mind is touchable;
- Direction needs the person to move toward it so it is an estimation like mental space;
- The whole world is in space which mean that space is non-existential thing and the surface of the world is space occupying matter; and
- Space is not something that it is parts can't be differentiated by a direction or a sign since this space is non-existential thing (mental image). Since direction or sign can be used with existential thing like matter, place, and location.

Newton vs. Leibniz

The most famous two thinkers who disagree upon definition of time and space of western thinkers are Isaac Newton and Gottfried Wilhelm Leibniz. Newton's follows the school of substantivalism, where Leibniz follows the school of reductionism/relationism. The substantivalism school claim that time and space are existential things that exist outside the mind. The space is different than matter, places, and locations. The reductionism/relationism school claim that the space and time are non-existential outside the mind; therefore; space and time do not really exist. Newton follows the first position and Leibniz follows the second position. The absolute existence of space in Newton's view is idealism, not materialism. Leibniz view is an abstract view that is relative, not absolute. Space in Leibniz's view is the arrangement of spaces next to each other, while time is the arrangement in sequences. Both time and space are infinite and materialistic in Leibniz's view and do not exist outside the mind. The difference of the views are seen in (Table 1).

Table 1: Summary of difference between Newton and Leibniz.

Category	Isaac Newton	Gottfried Wilhelm Leibniz
School	Substantivalism	Reductionism / Relationism
Existence	Exist outside the mind	Exist inside the mind only
Type of Existence	Absolute	Relative
Philosophy	Idealism	Materialism

Peter Uspenskiĭ speaks about a fourth dimension, time, and space. He did not explain in details and how the time and space are connected with consciousness [10]. Time composed of three dimensions; 1-the past, 2-the present, and 3-the future. Space composed of three dimensions; 1-the length, 2-the width, and 3-the height. The entity that move in the length which means going front and back. The entity that can move with the length and width (i.e. it might be bacteria) which can move to the front, back, right, and left. If the entity is in the length dimension and sees the present then this will be 2nd dimension. Likewise, if a human is in the 3d dimension of space (meaning length, width, and height) with access to the present then this person is in the 4th dimension. If a human is in the 3rd dimension of space with access to the past, present and future then that person is in the sixth dimension. Presence of the present is the 4th dimension, presence in the past means the presence in the 5th dimension. If a human is in the 3rd dimensions of space and have access to the past, present, and future

in the same time then this person is in the 6th dimension. Nothing (i.e. absence of everything) is beyond the boundary of time and space. Vacuum in quantum physics is not empty, but it is a part of matter that contains invisible complex structure [11]. Time stops when we reach the speed of light. If you circle the earth with the speed of light, the only thing that you will see is your back. Laplace's demon is described by him in 1814 "We may regard the present state of the universe as the effect of its past and the cause of its future. The movements of the greatest bodies of the universe and those of the tiniest atom; for such an intellect nothing would be uncertain and the future just like the past would be present before its eyes."

The Cat Box Thought Experiment

Imagine you are inside a box and there is a cat passing by. The cat was in point A (the past), the cat crosses point B (the present), and the cat wants to reach point C (The future). If this box you are in has a hole that allows you to see the cat in point B then you see the present only. If you stood up outside the box and saw the cat coming from point A then passing through point B, then reaching point C then you see the past, present, and future which is associating the time with space. If the cat was at 2:58 in point A, at 3:00 in point B, and at 3:02 in point C then it is associating time with time. Spaces can be associated with places (i.e. spaces) as well, for example, the cat was at point A in top of it, at point B next to it, and at point C behind it (Figure 1).

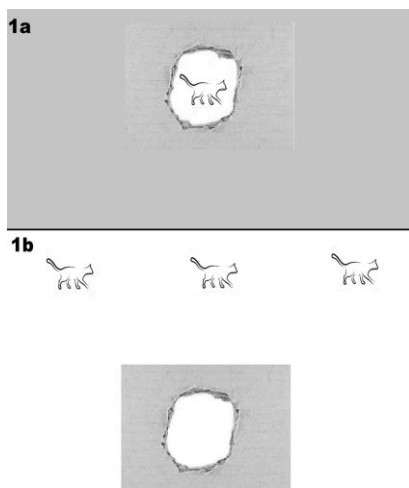


Figure 1: Changing location (i.e. space) can allow to see the past, present, and future which is called here the cat box experiment. In 1a the person is looking through a gap and see the cat passing in the present. In 1b that is outside the box or on top of the box, the cat past, present, and future are seen.

The only possible ways to see the past and future with the present is not having a limited view or reaching the speed of light,

Global Broadcast Station Vs. Global Workspace Theory (GWT)

In the 1st paper titled "Epineural Theory of Consciousness: Two Thought Experiments and a Preliminary Hypothesis" where I spoke about a global broadcast station in the universe. I did not mean the GWT. The GWT infers that some parts of the brain (i.e. parts of the frontal and parietal lobes) controls the rest of the brain. Even though, some recent findings claim that there are anatomical parallel pathways that take information from these areas and to these areas as two way street (these areas give and take information) which eliminates the claim of the GWT. But what is described in my previous paper is something new and old in the same time. There are in the universe a source of unknown energy until today that can be called the global or universal broadcast station that send signals and it is received by us humans. This signal allows us to have access consciousness to this source of knowledge and seeing through within self. This signal is distributed by the skull all over the brain and when the skull is removed or changed with metal it would not allow the human to be able to function well. In order to have this signal, practices have been done like praying, meditations, or other methods of connecting with this signal. This signal was called by the people before the ethereal signal. This signal manifest itself by people having inspiration as well different people thinking of the same thing. Also, this global work saturation might be responsible for the synchronicity on Earth. It is like a digital cloud of knowledge and information that requires a clear and a focused mind to connect to. Humans can see less than 5% of the electromagnetic wave spectrum which does not include radio waves, micro waves, infrared radiation, ultraviolet light, X-ray, gamma rays, and whatever undetected energy or signal in the universe. The universal signal is not detected yet, but we can see it's effect on human consciousness. And without the ability to receive this signal at all; the human being will not be conscious.

Emanuel Kant Transcendental Knowledge

The Transcendental Deduction of the Categories shows that the categories that are necessary conditions for experiencing objects given in intuition is the heart of the Critique of Pure Reason [12]. The mind without senses, it has knowledge that is not instinctive as Descartes said, but the foundations of reality beyond the scope of experience (transcending time and space). The transcendental knowledge is not the 12 categories that Emanuel Kant claim that they are the pure mind (i.e. reason), but the pure reason is instinctive like Descartes' conclusion. As well, the transcendental part can't be explained except by the global/universal broadcast theory that is called in this paper and others, the epineural theory of consciousness. No knowledge can be obtained without being sentient.

Case Study

A 24-year-old male patient came to the emergency room after a severe head trauma that removed the frontal bone see (Figure 2). The patient hemorrhage was stopped and his vital signs were controlled. The patient was given blood. He was shifted to a tertiary hospital. In the tertiary hospital, the patient was prepared to enter the operation room and suddenly the patient case became a brain death case. This case shows the importance of the existence of a skull to protect the brain. But since the bleeding was controlled and the vital signs as well, what made the patient to become a brain death case? The shift to the other hospital took less than 1 hour and the infection can't be that fast which takes from 2-3 days of an opened wound. Since there is a minimal subarachnoid hemorrhage and minimal pneumocephalus. The main trunk of the right meningeal artery (i.e. a branch of the MCA) was intact and no sign of epidural hemorrhage was seen. Terminal branches of the right meningeal artery could be bleeding, but it was not enough to make a brain death scenario. The only explanation is that the universal signal coming to the brain directly without skull filtration of the signal and defocus caused the brain to die. It has been claimed that skulls have anatomical variation like pneumatization or skull bone thinning by arachnoid granulation might make the skull weak to be penetrated by signal and cause headaches. In this paper, a case of skull bone lose deteriorate to brain death in a few hours which prove the postulate hypothesis of the skull bones function.

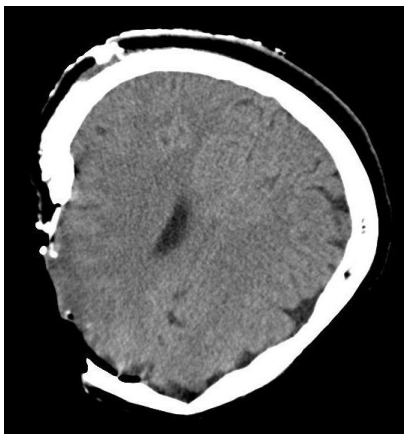


Figure 2: An axial CT scan of the brain which shows a loss of the right frontal and partial bones. The brain tissue appear bulging at this point loss associated with a severe brain edema, pneumocephalus, and minimal subarachnoid hemorrhage.

Critique of Itzhak Bentov's View of Conciousness

Itzhak started his book *Stalking The Wild Pendulum: On The Mechanics of Conciousness* (1977), by saying this book is not for scientists, but for young people. Also, the book has unsceitific things after chapter 4. However, the book has many mistakes in the 1st four chapters. The book was used as a reference by the CIA and

the Department of Army published in a document titled *Analysis and Assessment of Gateway Process* (1983). Since this book is used as a source authority and it has some new authentic ideas, it will be summarized here and it will be criticized in details. Pay attetion that the words between parentheses are my comments on Itzhak ideas.

Itzhak Bentov's Book Summary with Comments

- Ideas, thoughts, emotion, and information are non-material;
- Humans composed of two systems: material and non-material;
- The non-material part of humans called psyche;
- The psyche process information;
- The psyche is indepenent of the physical body;
- The information are saved on the universal mind;
- The information generation and processing need energy then the information is saved on the universal mind which follows the energy conservation law;
- Nature information storages are the holograms which preserve information for the universal mind;
- These information come to us subconsciously;
- He accused people who deny the existence of conciousness as people who have "Griaaffe Syndrome";
- Disturbing the air cause a sound;
- Gravitional waves are broadcasted and it can affect anyone whether that person is aware of it or not;
- Interference patterns of waves can be called holograms;
- Superposition is included in the broder term of interaction;
- Hologram is a flat photographic film where information are recorded on it about the shape of an object in a form of a wave-front interference pattern;
- He described the use of constructive, destructive interference, and beat frequancies in modulating a signal that is in phase;
- Humans' brains store information in a holographic form;
- Holograms required a coherent light like a lazer;
- To have interference you need interacting components what he calls them a reference beam and working beam which will make a baseline comparison like the dopplar effect;
- Reference beam: pure, virgin, and untouched, while experienced beam: has experience in life;
- When the result is imprinted on a film, illumination with the same light (i.e. laser) will make a hologram like an actual object;
- Oscillating or resonating systems will cause sympathetic resonance with other oscillating systems;
- The heart aortic system in addiation to the ventricular system in the brain are resonating systems and they work in synchrony like up = up and down = down in both systems (not a scientific point, but wishful thinking);



- The brain inside the meninges and the CSF can move from 0.005 to 0.010 mm;
- The resonating systems enters in phase or called “rhythm entrain”;
- The moon has a gravitational effect on humans, for example, crime rate increases with a full moon;
- Humans are rhythm entrained creatures;
- Rythmic movment affects it’s enviroment whether it is air, water, solid, electromagnatic field, or gravitational field;
- Vibratory energy is in everything. Our enviroment is not static since all atoms are vibrating;
- The heart and the brain make rythmic electrical currents which forms interference patterns spread away from the planet Earth to the universe;
- These oscillator systems are tuned (i.e. following the fine tune argument that everything within a range and an orgnized system);
- It is not important that gravitonal waves or magnetic effect are weak, it could affect the psyche very strongly, for example, the full moon effect on crime rates and psychiatric wards;
- There is an electromagnatic and electrostatic field effect on our bodies including: A- Isoelectric static field of the planet, B- Our bodies’ electrostatic field, C- Earth’s magnetic field, D- Atomosphere’s electromagnetnic field, E- Gravitational field of planets, and F- Human made electromagnatic fields (i.e. TV, radio, etc.);
- Our bodies electrostatic fields are measured by commerical static meters;
- The static energy can be detected 16 to 18 inch from the body by a static meter;
- The heart-aortic system is the producer of the static energy;
- Our bodily signal is spread around the planet, but it is a weak signal;
- There are tuned systems when two oscillators are in rhythm with each other;
- Human body micro-motion is about 6.8 to 7.5 Hz and when we stop breathing, the amplitude of micro-motion increases by the factor of three to make resonance which can pass through anything like; metal, water, and concerate;
- The diaphram regulates the heart-aorta system to keep them tuned;
- Stop breathing will not affect metabolism since it requires less oxygen;
- In conclusion the human body emitts harmonic sound motion ≈ 7 Hz;
- At a room temprature, an atom will vibrate at the rate of 10^{15} Hz, while the nucleus will vibrate at the rate of 10^{22} Hz;
- Similar to Morse code of action and rest, the neurons send electrical pulses and spikes then the resting stage comes when the cell regenerates and reloud to fire again;
- Electrons circle the nucleus in two fashion: Circular spin like motion and reciprocating motion due to vibrating (the last one is the most important point in this topic);
- According to quantum mechanics, when the distance is smaller than 10^{-33} cm (i.e. Blanck’s distance) a new world opens up and many things happen and we do not use time; therefore; no matter is seen due to infinite velocity;
- According to Heidenberg’s Principle of Uncertanity, when momentum is knowen, the position is indefinate and vice versa;
- Objective reality is made up of vacum and void filled by pulsation and oscillation of electromagnetnic field;
- Perceptible rest means perceptible reailty;
- Subjective and objective reality occurs between two states of rest;
- Humans have tangible reality when there is movment, when the movment stops the reality disappears and diffuses;
- Without change/movment, there is no subjective or objective reailty;
- According to the theory of relativity: two moving observers that move to eachother do not agree on how the rates of their respective clocks are runing;
- Timelike and spacelike are terms used by physicists that refere to our normal space-time universe;
- There is a hypothetical particle called tachyon which moves faster that the speed of light to infinite velocity which travel any distance at no time since no time is used to cross that distance;
- When the tychon is crossing a distance and no time is used then it is called spacelike activity by physicists;
- The spacelike behaviour can be called omnipresence which humans can achive then they become omnipresent;
- After using this speed of tychon and visiting all universes then we can become omniscient;
- After doing the previous two points, we will know that going too fast is like being at rest in all places at once by having the observer mind without traveling so fast (he implies that yoga and meditation is the replacment of having the speed of tychon which does not make anysense);
- Subjective time vary from objective time;
- As long as our subjective time is spacelike, our time becomes infinite;
- Itzhak gave an equation to calculate the ratio of time which he called conciousness index = $\frac{\text{Subjective Time}}{\text{Objective Time}}$, when it passes 89 degrees toward the 90 angle then the ratio rapidly change like

at 89.8 degrees is about 575, and at 89.9 it passes one million. After 90 degree, time becomes infinite because the Cos of 90 degree is zero. Hence Subjective Time = $\frac{1}{\cos 90 \text{ Degree}} = \frac{1}{0} = \infty$ (i.e. infinity);

- The body can't cross the velocity of light barrier, so non-metaphysical entity "observer" can cross that barrier. This metaphysical entity "observer" is linked to the physical body and it can send to it undistorted messages;
- This will cause the physical body to lose its definiteness in space;
- When we reach objective time, two blinks (i.e. on and off) per oscillation at point of rest without retaining any memory of that event;
- The observer allows our timelike subjective space is becoming objective time to enter his/her own and others objective time which will allow accessing the past and the future (time travel);
- Subconscious thinking is like "subliminal advertising" which was outlawed;
- With training, anyone can access that unconscious observer level;
- 7 Hz rate of motion of the body allows to "eject" the observer;
- Our bodies' atoms oscillate and vibrate at 10^{15} and all atoms are not in synch, when they become in synch then we reach high levels of consciousness;
- The observer is the psyche which can become omnipresent then expands into outer space;
- Consciousness is defined as the capacity of a system to respond to a stimuli;
- Itzhak believes in panpsychism to greater and lesser extent;
- When $\uparrow$ quality of consciousness = $\uparrow$ frequency response;
- As there is hearing frequency limits (i.e. from 30 – 20,000 Hz), there is limitation in frequency of vision;
- Level of consciousness is equated with the "intelligence of response";
- Quantity of consciousness is the number of responses of a system in reaction to a stimulus;
- Quality of consciousness is the degree of intelligence of responses and their ranges expressed in frequency of reality band;
- Relative reality is all reality band under the absolute;
- The absolute is the total sum of consciousness;
- Energy exchange curves occur between an entity and its environment. The interaction occurs at the peak of the curve where it resonates with the environment;
- The spectrum of reality has no sharp defined borders, but electromagnetic radiation band with a visual spectrum which

occurs between 4,000 – 8,000 angstroms in wavelength (i.e. 1 angstrom = 10^{-10} meter);

- The absolute is the source of consciousness;
- Consciousness is going under the evolution process from atoms to reach the absolute level (redefine and wishful thinking, if we become all like the absolute, then the absolute is a degree that can be achieved and the real absolute needs to step down or change over time which is illogical);
- Highest level of interaction with the environment will lead to controlling the nature/environment;
- The energy exchange level called in esoteric terminology "the astral" level;
- The energy exchange curve never goes to zero and its energy is the same in all levels of interaction;
- To form an image a.k.a reality, we need reference frequency beam and modulated/ experience of out-of-phase beam;
- The two beams come from the same source as one beam split into two;
- Frequency vibration determines the energy of the electron;
- Waves transverse using wave packet;
- The relative is visible, manifested, and changing, while the absolute is fixed, eternal, and invisible;
- Itzhak claimed that by accepting the previous statement; mind over matter problem is solved and there is no difference between the two and they are made of the same basic material;
- He gives an example of ice to be the solid matter (brain), while steam or vapor are (consciousness), so they are made of the same thing water, but they manifested in different ways;
- Mind is not over matter, but mind over its changing aspects or nature;
- Non-vibratory state is called "absolute protospace" and the non-vibratory state caused the vibratory state then to manifest into a physical reality;
- Where the wave is so small and its frequency is so high then this wave is invisible (same as my idea that the amplitude is so small, it is undetected);
- Everything is producing sound "waves";
- Mineral reality is a term used by Itzhak where he describes dim perception like hot, cold, light, and dark without any growth, just attrition;
- Planet reality is different from mineral reality because there is growth and reproduction. Also, there is a social life and sex. The sex life is done by a third party (i.e. to transmit the seed like wind or insect like bees). There is a book titled The Secret Life of Planets, 1973 by Peter Tompkins that Itzhak refers to to prove that planets are conscious;
- Itzhak makes a synonymy between the development of the nervous system with the expansion of consciousness;



- He mentioned the effect of psychedelics on “the expansion of consciousness” and commented that these drugs funnel the consciousness to a particular level. They take the person into a trip, but the psychedelics distorted the experience by not allowing the brain to function normally in the trip;
- Prolonged use of the drug prevent the nervous system from accessing higher levels of consciousness without the drug as well as “evolution of consciousness”;
- Particles’ waves duality in photons, electrons, or other nuclear particles that exist in a large aggregated matter. (I agree with this because it can explain the parallel universe);
- A particle manifests when a photon hits the retina;
- A process of individuation of the continuum to make senses interact with a processed signal (one by one). This duality happens at a large scale in the universe;
- Critical mass of consciousness will develop a dim awareness of self;
- He claimed that thought are electrical signals in the brain starts tiny to become 70 millivolt in the brain cortex. This signal is broadcasted as an electromagnetic waves to the universe. Following the law of preserving energy, no energy is lost, therefore, the energy accumulates in the cosmos then picked up by another person who thinks in the relevant topic (weak point and circular reasoning);
- Interaction of higher realities is possible like the interaction when striking the C note on a piano, it vibrates at 264 Hz, the other strings will vibrate in resonance (i.e. some strings will vibrate more and some will vibrate less), like two times rate, three times rate, etc. Some will vibrate at a fractional level like 1.5 times rate, 11/3 times rate, etc.
- Itzhak claimed that there are “astral bodies” based on the range of frequencies that he made in an “arbitrary fashion” as he wrote (which is a weak point to his classification system);
- He claims that consciousness is like a bicycle which appears unstable, but when it runs by motion which Itzhak calls it “The Invisible Principle of Internality” (i.e. the point is that consciousness is the invisible principle of internality);
- Biofeedback experiments in hypnosis, altered states of consciousness, and drug companies should be the best method to test consciousness (i.e. since consciousness is invisible and the only thing visible to humans is its effect, so we should use the biofeedback studies to test anything with consciousness);
- For example these biofeedbacks are used with chemists to modify drugs which proves that biofeedback studies work;
- He believes that mental illnesses like schizophrenia are people who see the metaphysical world, so they see and hear things from that world (which I agree with);
- Itzhak believes that there is a spirit, soul, and body. The spirit uses the soul to move the body (it is a problematic concept that contradicts the 21-gram experiment and I have written a paper about it);
- Itzhak used this argument “as above as below” to explain the design of microcosm reflects the design of macrocosm and vice versa (which is a strong argument that uses the atom design to compare it with the solar system. The similarity in design, the gravity forces, etc. This shows that the micro level is similar to macro level's morphology and function since the electron acts in instinctive consciousness. Due to gravitational waves, humans act the same with space gravitational waves);
- The universe is the bank of total experience where it takes from our consciousness;
- Itzhak follows the general astrophysical model of Friedmann-Gamov;
- Hydrogen and helium produce huge clouds or nebulae which is made of smaller units then causes rise in temperature of their centers;
- Our physical bodies were synthesized in stars;
- Homogeneity and isotropy which means same in all direction of the expanding universe. Some measurements show bit of unevenness (i.e. anisotropy) which is a possibility caused by the distribution of quasars (quasistellar object) which are distant and unusual galaxies;
- Quasars are compact star-like and the source of energy emitted as visible light and radio waves. The amount of energy emitted by quasars have no explanation since they emit 1,000 times more than a regular galaxy and change their brightness. (Quasars are fake stars (pseudo star));
- The time space is called protospace/ground substance;
- The movement of matter in space-time behaves like viscous fluid;
- The entire galactic magnetic and gravitational fields cause this viscous fluid like movement;
- Metamorphosis of unbaked jelly donut is the same shape of the universe;
- Protospace trapped inside the envelope of the space time of torus of our universe;
- Laws of nature breaks at the singularity state which makes a different universe like a white hole opposite to a black hole (the black hole is the entrance and the exit is the white hole);
- Expansion of the universe is the expansion of consciousness;
- The non-physical observer is the psyche which contains all the information, knowledge, personality, intellects, and intuition;
- Itzhak makes two assumptions: 1) the information/observer behaves in a coherent way as it expands, and 2) information can move at velocities faster than light;
- Coherency is important because interference patterns in protospace (i.e. space time) as it expands;



- Interference patterns are what make a hologram and holograms are the nature way to store information;
- Sex is interference between two observers to make a new DNA that contains/store the interfered observers genes;
- The observer is the working beam and the absolute is the pure beam;
- The theory of reativity states that the speed of light can't be broken when transferring information;
- Tachyons reseachers are looking for a better theory than the theory of reativity;
- Direct propotional relation among the following: $\uparrow$ level of conciousness = $\uparrow$ frequency response = $\uparrow$ corssed distance = $\uparrow$ faster time;
- Humans are units of conciousness which make up a universal conciousness;
- He supports his claim about the universal egg information density as being low and high in certain areas by using a chicken's egg and open two window in it (i.e. on top and bottom of the egg) and a positive charge comes out from top and negative charge comes from bottom. The voltage is 2.40 milivolts at a fregrator;
- The chicken's egg field is called by Harold Saxton Burr the author of *Blue Prints for Immortality*, 1972, "the organizing fields" claiming it guides atoms and molecules into a proper form. Itzhak explains it as an electromagnatic hologram makes up overtime a mold filled up with matter to form a body. Our bodies are held together by a 4 dimensional interfernce pattern;
- The body is the end product (which contadicts the primse of the hard probleum of conciousness and I proposed the same idea that is the spirit came first then the body later which solves the hard probleum of conciousness);
- Matter and planet are concious;
- Conciousness is rudimentary and it can operate the body independty from the psyche, but conciousness and psyche are connected;
- Wisodm comes from the inner core/part (which I believe it is wrong because if wisodm comes from within our body, then we just need time alone to figure out that wisodm from within our body. As a result, the prisoners will be the masters of wisdom in the world since they spend years in prisons, but we see the opposite of that in reality and no wisom or philosphy have changed the world that came from prsioners);
- Planets have a rudimentary conciousness;
- Rudmentary conciousness = constant x mass x flux x temperature;
- Where the constant is planck's constant; flux is the amount of energy radiating by the mass;
- Planets need balance and without it, the planet makes catastrophies to return to balance;
- The sun communicates with other planets by using it's acoustic output/solar wind;
- The holograms interference patterns are the universal mind;
- The 4D electromagnetic holograms change overtime;
- He claim that humans are a 4D holograms;
- Stopping pulsation and energy field will lead us to void or to the absolute;
- No motion = no time + no matter;
- Concousness can separate itself from continuum;
- Humans are animated matter/holograms (which fits with the simulation theory);
- Subjective time convert to objective space when conciousness equals to 90 degree on Itzhak paradim;
- Protomatter is the precursor of matter and it could be positive or negative;
- As above as below, therefore, chiecken egg is like the universal egg (which is wrong);
- Stress and nervousness is noise in the nervous system;
- A 25-30% of the institionlized schizophrnics are misdiagnosed and they have the Physio-Kundalini Syndrome.

A Ceritique of Itzhak View

- He designed a figure then he relies on it as some kind of proof;
- He is into so much spirituality;
- He uses different religions (Buddism, Christianity, etc.) which they are contradictory to the law of non-contradiction (two opposite view can't be true and false in the same time. One is true and the other is wrong, both are wrong and a third option is true, but two opposing things can't be true in the same time like a square circle or a married bachelor);
- He tried to use evolution and he explained it which is contradictory to the creationist religions that he cited;
- He defines conciousness as the capacity of a system to respond to a stimuli which is a wrong defination and this defination is for reaction, not conciousness;
- He shorten the term "live being" as beings that can reproduce which is wrong since many beings can't reproduce for fertility issues;
- His classification of levels of conciousness is more spirtual;
- If conciousness is made of the same material of the brain, why we do not see conciousness like steam or vapor at least?;
- He denys the existence of the see currant waves;
- He claims that there is an evolutionary process in conciousness, but did not bother himself to explain it with examples like it is a gaven thing;
- He divided the frequancies based on arbitrary groups without making a method to classify them based on a hard eviedence;
- The aura measurements have no scientific evidence;



- He claims that anger cause cancer which sound not true, but ulcer and anxiety can lead to changes in the GIT then it could contribute in formation of cancer cells;
 - His claims contradicts the 21-gram experiment;
 - He speaks about yoga and other things to appeal to the public in order to make them like his ideas;
 - As above as below can explain the same system in the galaxies and the solar system compared to atoms and sub-atomical particles;
 - He made a scientific mistake by claiming that matter is energy. Matter is not energy since energy has no mass;
 - He speaks about myths like the cosmic egg and attach that myth to Kerr black hole;
 - He uses the bible as a reliable source of information;
 - He attached real things like northern and southern poles with a myth like the cosmic egg;
 - The author uses the hindus book “the Vedas” as a reliable source of information;
 - The author claims that there are low and high information densities in the universal egg separated by torus which has no evidence to support it;
 - He speaks about irrrelative things like the egg chicken controversy;
 - He based his believe on conciousness and psyche from the bible. The psyche is the soul in another word. Even though, he is a jew which is an appeal to the christian readers;
 - He tried to make unscientific justifications to the Physio-Kundalin Syndrome;
 - He uses myths like the chakras;
 - Progressive sensory motor syndrome is not in the liturture to the best of my knwoledge;
 - He is trying to connect patterns which do not exist; and
 - Connecting the heart with the brain’s ventricles is not scientific.
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