



ALIENS AND UFO'S

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ABSTRACT

Are aliens transdimensional entities?, By this I have meant to say those beings rather living beings that are existent on different dimensions greater than our 4 that is our normal space-time dimensions. We have enough evidence from the Lorentz generators of the string theory that the maximum space-time dimensions can take the value upto 10, if time is considered as a singular dimension. However, in certain theories like the M-theory where there exists the 11th dimensions as SUGRA or supersymmetric gravity (graviton with gravitino) which on F-theory the dimensional regularization has been taken to 12 by splitting time into 2 dimensions with a higher degrees of freedom. It is very much possible and probable that in a higher dimensions $d \gg 4$ time can take the form of 2D where the local nature of 1D time would behave as a singular loop of various multiplicities as a non-local 2D element. In our 4 dimensions also, if we are sustained to believe time being a non-local element with the Einstein's principle of "spontaneously happening past, present and future then we ought to believe that 1D local time itself acts as a 2D non-local time. Considering the dimensional range of spatial and temporal factor $\sim 3 + 1$ it can be said that there are higher ~ 6 additional spatial dimensions which are connected with the lower $\sim 3 + 1$ co-dimensions in the form of various inter-dimensional tunnels that specifies the initial and final positions from a lower dimensions to a higher dimensions. Without considering, in this paper, the respective size of the dimensions, if all those space-time dimensions $\sim 6 + 1$ are there, then it's probable that there exists some particular creatures over those various dimensions. However, just as 4D consists of all the 3, 2, 1D's, similarly the higher order dimensions like 10D would also contains 9, 8, 7, 6, 5.... 1D's, therefore it can be said that 10D is very unstable and chaotic because of the intersections of various lower co-dimensions that exists in reality. There must be an inter-dimensional membrane that protects one dimensions from the other and those inter-dimensional tunnels, that exists in between (connecting) those dimensions must have an unstable mouth wandering unpredictably from one hyper-surface to another where if anyone gets caught in any of those tunnels mouth' devoid of any singularities and horizons, then they ought to travel to the other dimensions that will always be > 4 as permitted by the laws of physics standing on the 4D universe. Now, analyzing the vehicles that they used to transport from one point in spacetime to other, A detailed analysis on the engineering and phenomenology with respect to mechanisms of the unidentified aerial objects has been carried out extensively on the paper depicting why they are more advanced and on what mechanisms are they capable of the interstellar & intergalactic travel by virtue of electrohydrodynamics and semi-quantum kinetics.

KEYWORDS – *Hyper-surfaces; Hyper-membranes; Inter-dimensional tunnel, Cauchy horizon, Singularity, Cross-sections, Monodromy, Time slices, Co-dimensions; String theory; Average null energy conditions; $f(R, T)$ gravity.*

ABOUT THE SCIENCE OF ALIENS

To clarify the detailed approach of the co-dimensions and transdimensional entities, it is necessary to have some basic concepts of string theory. String theory is the first theory developed on Earth that predicts 10 dimensions of the universe with 1 time dimensions. However, the time that we perceive as a one-way arrow allows us to predict and quantify time as 1D but that

on a very local scales, if we go beyond that scale, over a higher perspectives then we will see that time itself being 2D [1] from the perspective of the universes temporal dimensions. And higher dimensions means higher degrees of freedom which invaluable states that, what can't be possible to do in a lower dimensional space-time (or manifolds) can be achieved by means of higher degrees of freedom in the higher dimensions and the rela-

tion is directly proportional that is, the more the dimensions, the more is the degrees of freedoms. Bosonic string theory assumes 26 space-time dimensions which later reduced to 10 space-time dimensions in bosonic and fermionic superstring theories. Therefore, we will continue with the approach of 10 dimensions. By string theory we means 1D open strings and 2D closed strings are the carrier of matter and energy. The difference between the open and closed strings arises from the fundamental concepts of “extended string like objects into *Dirichlet(p)-Branes* where ‘p’ can take any value from 1 to 10 which in our case is the 4. For every singular dimensions, there exists 2 p-Branes where in between them there are open strings with both the points attached on one branes, or the both ends attaches to two different consecutive branes of the same dimensions with Dirichlet and Newman boundary conditions prevailing in them thereby prohibiting those strings to pervade or leak to other dimensions as for the case $d > 4$. However, there comes an alternate scenario where (as we know that the standard model of particles resides along the body of those p-branes which for our case $p = 4$) there exists closed strings as such like a rubber band with no endpoints thereby devoid of any boundary conditions as associated with the p-Branes. This type of forces are called Gravitons having spin 2 and mass 0 that can travel or leak to $p = 5, 6 \dots 10$ dimensions. This point has already been proved in the Large Hadron Collider experiments of CERN, Geneva, Switzerland where graviton couldn’t be detected as they very fastly leaks to the higher dimensions just after being produced from atom bombardments, thereby providing us a tantalizing hope of the existence of higher spatial dimensions.

Next we will speak about the dimensional cross sections and co-dimensions and why we can’t see the exact image of a higher(transdimensional) entities other than a blob. To specify this lets consider a particular diagram.

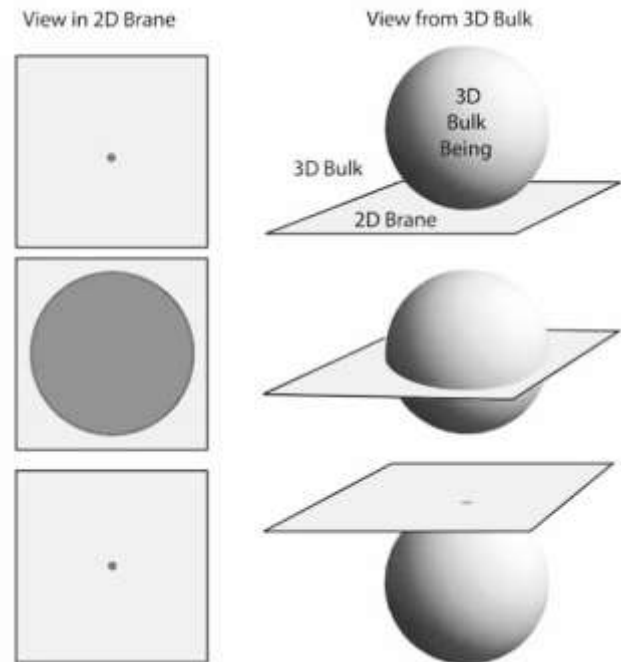


Figure 1. We will split this image into two parts for our consideration in this paper. The left side is the viewing perspectives of the two dimensional creatures living on the 2D surface while the right hand side is for the perspectives of the intersection of a higher dimensional that is, 3D sphere through the 2D plane. Figure Ref. [2]. (color has been modified to black and white).

Consider a 2D being living on the flat surface of a 2D brane on the RHS of the image. He has no idea of what is upward/downward, he knows only how to move left and right, forward and backward. Now, there exists a higher dimensional bulk $10 - 2 = 8D$ where there is a floating 3D sphere. This sphere will now try to enter and pass through the 2D brane. Therefore, the first row of the LHS have shown us that from the perspectives of the person living on the 2D brane with no option to identify or move in upward/downward will see the image of the sphere with respect to its cross section as a point in the Southern hemisphere appearing on the 2D brane. The sphere is moving downwards and as it passes the point gets bigger and bigger circle extending to a great circle at the equator as shown from the perspectives of the 2D person living on the 2D brane in the middle row of the picture. Then, as the sphere slowly passes through and escapes the 2D brane, the great circle again ultimately shrinks to smaller and smaller circles and ultimately appears as a point on its Northern hemisphere which appears as a point from the 2d persons perspectives living on the 2D flat branes before getting vanished ultimately when the sphere has totally gone through the 2D brane. This teaches us a very important concept and solves our questions that *Why we can't see aliens properly rather than just a blob?* Here the sphere is 3D



but the plane is 2D and any 2D person living over the 2D flat brane, will observe only the cross sections of the higher dimensional objects passing through that 2D arena (or surface). Therefore, from that 2D man's perspectives, he sees only points and circles and nothing more. If more than 3 dimensional objects passes, the cross sections would be more complicated with distinctive patterns but the law holds for all the objects $> 2D$ with only the cross-sections being viewable from the 2D branes. This proves an elementary riddle of dimensions vs. co-dimensions such that, if we are the 3D persons over a 3D brane and any objects $> 3D$ tries to pass through our space-time dimensions, then we will not perceive its proper structure rather what we will perceive is a cross section of the higher dimensional objects and as the object is of $> 3D$, so very complicated shapes arises which we perceive as *constantly changing blobs*. The example also indicates a relation as,

Higher dimensions \propto Higher degrees of freedom

Any objects in a higher dimension d can have more freedoms as regards to his coordinate freedoms or degrees than $d - 1$ dimensions. Now, we may ask ourselves a question as are all the information's of the higher dimensions get lost or vanished after it escapes or passes through a lower dimension. Of course not, mathematics has always a way to perceive the higher dimensions in the form of a

time – slice interval associated monodromy.

Generally the point in physics has been treated as a singularity and any boundary cycles around that singularity has been treated as a monodromy. If the high d dimensions have choke points at its beginning and end (as opposed to a cube, rectangular parallelepiped) like sphere, hemisphere, cones then by splitting each 2D cross sections over a specified time intervals we can gather information's about the higher dimensional objects irrespective of us being residing on a lower dimensional branes. The slicing parameter can be provided as,

<i>Time – slices</i>	<i>Spatial cross – sections</i>
$t - 2$	<i>point of southern hemisphere</i>
$t - 1$	<i>smaller circles</i>
t	<i>great circle or equator</i>
$t + 1$	<i>smaller circles</i>
$t + 2$	<i>points of norther hemispheres</i>

Provided we have to view the entire thing from the Northern hemispheres perspectives as $NH - SH = \int_{t-2}^{t+2} (\text{spatial cross – sections}) dt$ as because we can only gather all the data of the monodromy after $t + 2$ as it comes at the last time-slice of respective temporal intervals of $t - 2, t - 1, t, t + 1$ in the spatial domains.

Another ambiguity to mention in respect of the dimensional travel (rather inter-dimensional travel) is the spatial-temporal highways that can open up in one point of dimensions

and closes up in another point of dimensions, that is, they can have their respective mouths at two different dimensions in hyperspace. However, it is to be noted that, even if this sort of tunnels exist in our universe at some special spaces, the mouths of those tunnels are unstable to small perturbations [3, 4, 5, 6]. This means that, if the vacuum polarization could build up on the mouth of that tunnel then due to the excessive pile-up of radiation pressure and energy due to Doppler blue shift, the mouth can get collapsed. If one mouth gets collapsed then it will again reappear in some other dimensions of space and time and if both the mouth got collapsed then the entire tunnel along with its travelers would be vanished in the thin air. So, to prevent the collapsing of the two mouths over small perturbations physicists demand exotic energy or rather $\tau \gtrsim \rho c$ or the tension force of the travelling body must be greater than the material density of the ambient tunnel to prevent it from collapsing where τ is the tension, ρ is the density and c is the speed of the light in vacuum. However, physics has a solution that in $f(R, T)$ [7] theories of modified gravity, those dimensional highways does not break the energy violations, thereby keeping all the STRONG energy conditions, WEAK energy conditions, DOMINANT energy conditions, NULL energy conditions and the AVERAGE NULL energy conditions ≥ 0 . However if the travelling body is made up of repulsive gravity G-on's then the body will itself act as the preservation of the energy forbidding its violations where this repulsive G-on's can be achievable by the intrusion of the electromagnetism into the attractive gravity. Of course, this indicates a form of bipolar gravity as hostile to our common sense but yes, it's possible and probable in this universe.

Very often, people will see '*unknown identity*' hunters with a EMF detector or Electro-magnetic field detector device which shows up certain indications if the entity is present at that place, confirming 3 of our assumptions;

- Aliens can be a mixture of gravity with electromagnetism and aliens being said, they knows how to shield themselves with anti-gravity G-on's to travel through the inter-dimensional tunnel of hyperspace. This regulates and refined our mind that, it can be possible, all the aliens that we are perceiving are coming from different dimensions, for which it is difficult to see them.
- Now, why its difficult to see them? can be answered quite easily that, because of their higher dimensional bodies, what we are perceiving is a cross sections of ours associated dimensions and thereby observing them as a constantly changing shape of an irregular blob.
- Sometimes cameras can pick up electromagnetic signals especially if it's in infrared zone or beyond the visible spectrum of the human eyes and thus, through camera captures, various alien like objects has been shown up that we can't perceive or visualize in naked eyes.

Thus an ultimate conclusion has been reached over the existence of this transdimensional entities which alludes humanity in the form of a mystery over the centuries. Many photo-



graphs of strange blobs are available on the internet and some strange creatures are also caught with proper bodily dimensions, signaling us that there may be another 4D world like our own somewhere in a restricted domains where the mouths of two inter-dimensional tunnels can be intra-dimensional tunnels through which they can come to our world. But, where and how and why these tunnels exist is beyond the scope of this research. This can be very much plausible that aliens (some of those aliens, not all) [8, 9, 10] are coming from different dimensions existing parallel to our world in the same earth we inhabits.

Generally, the solutions of general theory of relativity forbids someone to travel to past as this can rise all sorts of paradoxes like Bootstrap Paradox [12], Polchinsky Paradox [13] and Grandfather Paradox [14] whereas travelling to the future is unrestricted inspite of the fact that Throne argues *Chronology can be weakly protected* in place of strongly protected thereby allowing some arbitrary advanced civilizations to travel through time by making a time machine in a chronologically compact zone [11], however, the feasibility of its practical implementation rises a question as *can humans travel through time?* If the past, present and future are continuous then, on a grander scale time travel is possible for the advanced civilizations and their travelling to present Earth (that is their past is also possible by the laws of some arbitrarily advanced physical sciences). Therefore, this time travelling can give us a tantalizing hint about the *Split-dimensions* that is, maybe 4D has a dual element as such $4\tilde{D}$. It is however impossible for this duality to preserve a time symmetry that is, maybe time runs faster on one 4D while slower on other $4\tilde{D}$ or may be the notion of time as we perceived can be different in the particular $4\tilde{D}$. This motivates us to come to the conclusion that, even if we can see the aliens or alien probes in perfect shape (which doesn't happens all of time), they may be coming from the dual version of the same 4D that is $4\tilde{D}$ separated by a hyper-surface.

Moreover another question arises in our mind that, any higher dimensional entity like aliens are very powerful identity and advanced than humans, this can be resolved with the conclusion that, generally if anyone of them visits us then either they are from $4\tilde{D}$ or $> 4D \leq 10D$ or their duals $> 4\tilde{D} \leq 10\tilde{D}$ which we certainly don't know and if this is so, then their degrees of freedom is much more diverse than ours and as a result of this they can do a variety of things as opposed to us which gives them an additional advantage of the *so called power* than that of us.

ABOUT THE SCIENCE OF UFO'S

In this universe containing a trillion galaxies with each galaxies hosting millions of solar systems or explanatory systems it is impossible to believe that we are the only intelligent beings existent on this universe. The fact being said, there are several star systems hosting planets in the goldilocks zone where the water is not too cold to form ice, not too warm to reach the boiling point. The star system could be binary or could be the main sequence starts like our Sun, which may host life's that are

intelligent enough for extra-galactic travelers. But, from the perspectives of Earthman's standing at 0.73 Kardashev scale it is surprising to believe that even if there are technologies to go to the neighboring planets, we didn't develop enough advances to reach the farthest planets of our solar system, let alone be the neighboring star systems which is quite likely to be impossible from our technological point of view. The discovery of our universe is not too old, that is only 13.8 billion years with a major unknown portions as the unobservable universe, which is how much large is beyond the expectation values of human imagination, or in other words the light haven't reaches us yet from there. With so much unknown to explore, how can we conclude that we are the only civilizations that are intelligent enough to feel the universe making sense to us through the level-3 consciousness or the Anthropic principle as described by the philosophy of the physical law. Different UFO sightings over a vast period of times, either through the ancient past or through the present day visualizations through the air force aircrafts, passenger jets, international space stations or even satellite imagery can't deny the existence of the intelligent life's spreading either in our own galaxy from a far away solar system or in other galaxies from which they are making inter-galactic travels over Giga-Parsec scales to see the hereabout of the terrestrial planet Earth enriching with intelligent life's but not so intelligent like them. Then on what ground are we lacking the technologies that our conventional rocketry couldn't achieve till now. The results of this discussion can be found extensively in Ref. [15] dealing with electrohydrodynamics or semi-quantum kinetics which helps or gives tantalizing hints for the interstellar or inter-galactic travel. Regarding UFOs (see Ref. [8, 9]) the first thing that needs to be understood is that, how they are using the interstellar travels irrespective of these odds:

- [1] The need for an unlimited amount of fuel to drive the vast scale propulsion systems.
- [2] The unlimited fuel demands for a gigantic structure which is impossible to be build through engineering techs.
- [3] The constraints of relativistic theory that, the speed of light is constant, so even if the UFOs break the barriers of the relativistic principles then also achieving such a great interstellar or inter-galactic distance takes so much time that the universe might end in such a time-span let alone be the aliens or any mortals in their average lifetime providing the maximal limit their lifespan can be, it's impossible.
- [4] This gives us hint that they may be using something, some form of technology other than the principle of the conservation of the momentum like our traditional rocketry and this technology doesn't make them glide through space rather they are gliding through time.

Therefore, if we believe in all the above 4 propositions then, could our technology can atleast theoretically explain the feasibility of the interstellar travels. Let's focus on 2 hindrances:



- [1] Travelling through the Einstein-Rosen bridge or worm-hole requires abundant amount of exotic matter which has still now, not been discovered, so they might be using some form of technologies like repulsive gravity or Anti-Gravity which makes the gravity bipolar and that is absurd in view of our known physical theories as gravity is monopolar or it attracts rather than repelling matters.
- [2] There could be the possibility of Alcubierre warp drive propulsions by which one can glide through space-time embedding inside a higher dimensional bubble of repulsive gravity with a fixed 1g Earth acceleration throughout the inside UFOs system on the alien astronaut's body to prevent him from dying in account of tremendous accelerations (that gets converted to massive gravity; thanks to the principle of equivalence of general relativity).

So, to investigate in details, let's point out several factors by which we will organize our paper. The first point will be observational evidences that can be categorized into 2 factors,

- [1] Many sailors have watched the UFOs flying closely above the surface of the sea of various shapes, either cylindrical or delta or oblate discs. However, the most common parameter is that, all of them are seen that, while flying over the water the water level at the bottom of the discs have risen up. Why? The reason can be found with detailed mathematics in Ref. [15, 8, 9] indicating that something repulsive phenomena is going on under the craft. To explain let's review a topic of charge dispersions. Most of the UFOs are disc shaped with a convex hull at the top. They are powered by a technology called the electrohydrodynamics or electrogravitics that means, there is a central high voltage transformer inside the craft body which sends positively charged ions in the upward hull and negatively charged ions in the downward base. The upper part being convex clearly shows us that the positive ions are facing a steep gradient through which it rolls down the side surface of the hull and meets the negative charged ions at the bottom. On the other hand, the negatively charged ions from the base attracts the positively charged ions and thus gives an upward push which makes the below region of the craft a zone of "upward push" of repulsive gravity which makes anything below the UFO rise upwards, be it water in the ocean or chunks of sand/dirt over the land. Through this dispersion mechanism, an electromagnetic-gravitic charge coupling takes place in the form of a toroidal flow and this flow is enough to lift a UFO and hover it in air.
- [2] Pictures of UFO hovering in the air has been seen captured in the video recordings of the humans which suddenly rises upwards and vanishes into thin air with a flash of high frequency blue light. Then where are they going? Are they going superluminal violating relativity

with a Doppler blue-shift or are they being teleported. Well, if I say that they are not violating relativity but being teleported then this will not be a problem as they know how to harness the ZPE or Zero-Point-Energy which can easily warp the space and creates a tunnel in it to teleport objects from one corner of the universe to the other corner of the universe with the time being extremely dilated and constant thereby taking no time for the transportation through the teleporting tunnels. These teleporting tunnels are nothing but a sort of Einstein-Rosen bridges that when subject to high voltage electro-gravitic warp drives then the UFOs are not in essence travelling through the space-time. Rather their destination being fixed, the space from its starting journey is continuously expanded and the space towards its destination has continuously been contracted thereby the UFO is riding an "escalator" where it physically won't move, rather the space expands and contracts according to its destination sending them to a fixed moment in space through constant time. The geometry and mathematics can be found in detail in Ref. [8] where there exists a toroidal field with the structure of a HORN-TORUS having the area element as $(2\pi r) \times (2\pi R)$ and when $r \approx R$ then a high gravity gradient takes place with the UFO being embedded inside a warp bubble of repulsive gravity and the spaceship inside the bubble will be totally free from the outside accelerations thereby making a consistent approach of 1g Earth gravity inside the spaceship without harming the alien astronauts.

To analyze and implement point [2] let us focus on a detailed discussions of theoretical physics as;

- The time that we perceive is 1D locally but in the non-local regime the generators of the Closed Timelike curves and the fountains giving birth to those generators are taking the advantage of the temporal dimensions and time being the 4th dimension can bend due to excessive gravity by relativistic warp phenomena where the past meets future through present and future meets past in a closed contour loop asserting the fact that, [Past – Present – Future] existing simultaneously over a 2D closed loop where the aliens we are seeing can come from 2 different states;
 - ✓ Either they are coming from distant universe by making time as constant parameters.
 - ✓ Or they are our future Earth men's, some 12,000+ years later when we have achieved the optimal technological advances in Kardashev 3.0 scale. So, it's totally possible that those crafts are not alien crafts as they seem to us, rather they are time travelling through temporal dimensions by moving back to past which is our present to see the present or past



from their perspective) Earth just as a source of either curiosity or investigations. Therefore, to travel in space is to travel in time and to travel in time is to travel in space that too within a 2D non-local contour loops without violating any physical laws.

- From the perspectives of the string theory there exists 10 dimensions in the universe, M-Theory asserts 11 dimensions while F-Theory splits 1D time to 2D with 64 degrees of freedom in the form of 12 dimensions. The universe is residing on a bulk of upto maximum 12 space-time dimensions where there exists several lower dimensional ‘branes’ called Dirichlet(p)-Branes with ‘p’ stands for the number of dimensions. Just like we live in a brane of Dirichlet(4)-Branes or a 4 space-time dimensional universe. There are higher dimensional branes and over the surface of those branes are the endpoints of the fundamental vibrating strings with 2 forms of boundary conditions, Neumann and Dirichlet resides. To illustrate the properties of the strings, let us denote 2 types and explain them accordingly;
 - ✓ The electromagnetic force carrier photons are open strings with the ends being attached to the branes where due to this attachment the photon can’t leaves the p=4 branes and escapes to the higher dimensions.
 - ✓ On the other hand the force mediator of gravity or the Gravitons are a closed string with no endpoints and no boundary conditions. This makes them free from any sort of attachments to the p=4 branes and they can easily move through or leak to higher dimensions and time being the 4th dimensions the UFOs can go beyond the 4th dimension for e.g., say 6th dimensions or even more where they can take shortcut from one 4 dimensional space-time to other portions of 4 dimensional space-time separated by a large time but by a little space which makes the UFOs to travel less as the phrase denotes “to travel in time is to travel in space”. This shrinking property is an inert property of dimensions (except large extra dimensions concept) where the more the dimensions are getting higher, the more their size are getting smaller. Now, the question is, what properties of the UFOs are required for their propulsions to harness these facilities over inter-galactic travels.

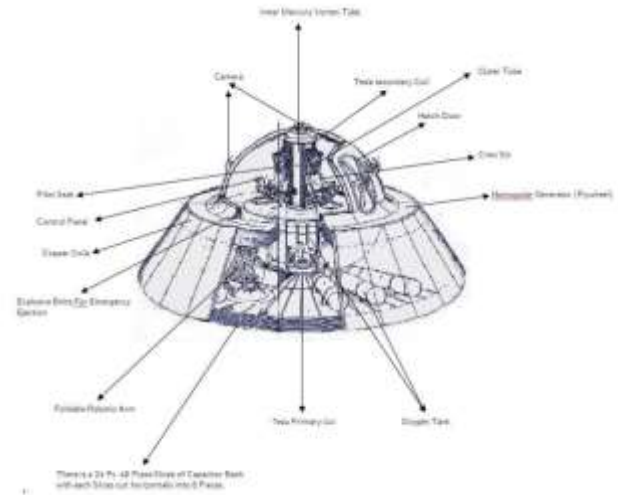


Figure 2. Mechanisms: From Ref. [8] The shape of the vehicle had been cleverly designed, so as to harness the ZPE of the nature. The vehicle, been highly energized, has to be covered with a lead coating on the outside, to prevent, the high energized X-rays, other UV radiations get inside the vehicle harming the crew and the pilot inside. Therefore, there are cameras outside the circular doom or the pilot-crew cabin, and the pilot has been wearing a glass which provides a 360 degree view of the ambient vehicle space. At the base of the vehicle there are pizza slices of capacitor plates arranged in a (Brown-Biefeld) configuration, as Negative on the bottom and positive on the up. There can be more than 8 capacitors arranged in this fashion with each stacked over the other. There is a giant Tesla coil powered by a DC-Battery of 24 Volts with a Spark Gap and Capacitors with the Primary coil just placed in a gap above the capacitor banks of the base. The secondary coil would act as an amplifier with the discharge to the cathode of another metal column placed inside the secondary coil. The charges from the cathode to the bottom will move up to the anode at the top of the column. Inside that column, there is a third column with its top as a Venturi with a design like Amphora. These columns are filled with Mercury Ions in a partial vacuum state. Now, the crew chamber must be spherical to distribute the pressure equally over all the surface area. And the middle disk (the diametric disc or fly-wheel) that is attached with the column acts as a “Homopolar generator” with a high rotating speed that centrifuge the electrons to the copper coil turns at the diametric disc edge. There is ample oxygen supply for the crew but the oxygen cylinders have to have an insulated coating. There are 1 crew and 1 pilot accommodation in the spherical dome. There are 2 seats for them with the pilot having 2 types of controllers, a Potentiometer to control the charges of the capacitor and a spherical shell which can rotate 360 degrees, inside which is a laser diode that while revolving the shell, directs the light to the fibre optics attached to the shell, and these fibre optics have been attached to a Relay, that connects to the sensors attached to each capacitor plate at the base. If the shell, is rotated right-side, the fibre optics acti-



vated the relays, which in turn activates the sensors to the right hand side of the capacitor plates, and power is drawn to that side, which makes a movement in the right hand side. Like this way, through the shell, a 360 degree movement could be achieved. Now, as expressed in the explanations, the craft could achieve a warp drive through local distortion of space-time, as a 3- Phase shift function, the Mercury Vortex, The Base Capacitors, The Diametric Coils of the flywheel. The field of the Tesla coil have to be in unison with the mercury of the inner tube. The mercury on high voltage circulates the innermost 3rd column in an orientation opposite to the just outer column inside the secondary coil. This in turn creates a vortex of circulating mercury ions in between the Amphora handle subject to high voltages. This creates an absorption point of the ZPE both from the inside and the outside reducing the mass and inertia of the vehicle making it almost massless, and the velocity increases the more, the more ZPE could be harnessed which in turn reduces more mass making a superluminal vehicle in warp bubble. Perhaps this ZPE, interacts with the Higg's field and creates a 10^{40} Joules of energy to remove it almost completely from the vehicle, making it mass less, however, this is not yet understood properly and is just an assumption.

Therefore, there is no way through which you could in principle un-believed or ruled out the possibility of the aliens, either they are coming from other planets or they are coming from the future Earth a long way forwards in time. The 2D time geometry as seen in Ref. ([1, 5]) is existent with the simultaneity of Past – Present – Future than in principle be harnessed with ZPE inside a gravity bubble free from all the boundary conditions for inter-dimensional travel which in turn will cut short the space of interstellar travel that's in essence gets a performance boost if AC can be superimposed on DC current as the peak and slope of the AC frequency gives a more stronger thrust vector that in turn makes a more brighter coupling between electromagnetism and gravity which is the ultimate focal point of the ZPE.

Declaration of Interest – Author declares that he does not have any conflicts of interest as related to this paper.

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