

Gravitational Propulsion in a Fluid Membrane- A New Propulsion Methodology

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Abstract

An alternative hypothesis is provided to redefine gravity as an interaction between plasma-like membranes that represent gravity. This membrane may be considered as aether or the space-time continuum. In this alternative theory, the membrane is not stationary but moving; gravity is the primary effect of the interaction. Spinning of the solid matter creates a disturbance in the membrane that acts as a pushing force that expands the universe that may create an anti-gravity effect. The physical effect generates a shock wave that produces a vibration in this membrane by a spinning magnetic field. In this scenario a craft with this effect it true may bypass faster than the speed of light. This effect might be engineered by using a torsion field system so that the wave effect bends the membrane during rotation. This also explains the effect of rotating magnetic systems that may produce an observable loss of weight shown in recent experiments. The higher rotation will compress the intensity of the magnetic field and dilates the membrane. This effect could allow for space travel to other solar systems. Gravity may be manipulated by electromechanical means allowing for counter gravitational effect to power a possible warp drive.

Nomenclature

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| B | = Magnetic field intensity (volt-second/m ²) |
| c | = Speed of light (3×10 ⁸ meters/sec.) |
| E | = Electric field intensity (volts/meter) |
| g | = Gravity (9.8 m/sec²) |
| m | = Mass (kilograms) |
| R | = Ricci curvature tensor |
| T | = Stress-energy tensor |

Greek Symbols

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| Λ | = Cosmological constant |
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I. Introduction

In the past, gravity is considered as a function of matter that presses against the fabric of the space-time continuum as a consequence of Einstein's theory of relativity. He described twisting of the space-time continuum as a metric function where matter distorts the fabric that creates a gravity well. This, however, is only a partial explanation of the process that is lacking for the engineer; it only scratches the surface of the real function understanding gravitational attraction and potentially counteracts a gravitational effect. What the problem is with this theory is that it lacks an explanation for what the fabric of space-time actually is in terms of a geometric theory. Historically many philosophers and scientists, such as Socrates, Sir Isaac Newton, Michael Faraday, James Clark Maxwell and Nikola Tesla based their work that assumed the existence of an aether. Tesla¹ created the idea of an alternating current engine design based on the idea that there was an aether for the work of an engine.

Tesla² also before his death worked on a Dynamic Theory of Gravity that would show the relationship between gravity, electromagnetism, and other nuclear forces in an aether-based model. This would be a grand unification theory that would use forces to explain electromagnetic interactions in an aether medium that represents gravity. This substance or aether permeates the known universe in this theoretical perspective. The question is if the aether exists, does it impact our understanding of gravity?

II. Discussion

In this theory, gravity is assumed as a wave interaction with solid matter within the space-time continuum. The continuum is assumed to be an energy-momentum membrane similar to the surface similar to being on a fluid motion medium. This is due to discrepancies reached from experimental observations such as the Michelson-Morley experiment. This idea of an aether was discarded because of data from this and other experiments. However, with new scientific insight, this theoretical model can unify fields that will be called similar to an interaction effect of a thin three-dimensional energy field within a moving membrane.

The Michelson-Morley experiment made assumptions that aether represented a stationary substance. When the experiment results from the mirrors located on a mountaintop observed after a pulsed beam of light and the time measured, there were no variations in light speed that reached the experiment due to a predicted time drag. If aether was not stationary but moves with motion like the fluid in a river, this would be a disregarded assumption and that the experiment would be considered as flawed from its inception. When the prediction was made with the wrong assumptions, the results then showed that aether was nonexistent. This experiment assumed that there was linear motion using a fluid membrane in the experiment. After Michelson's death, a team of scientists later repeated this experiment by building a mile long tube so that light could be observed in a vacuum. A more accurate account for measuring movement of light traveling in a vacuum could be observed than the original experiment showing that an aether exists stationary. This produced promising results that showed that not only did light travel faster in a vacuum but its speed varied either at the speed of light as Einstein predicted while at times it may have traveled faster than the speed of light. These particles may have appeared to give an electromagnetic boost by a charged medium.

These results were not given any publicity compared to the original Michelson-Morley experiments that had already garnered international attention. Michelson-Gale³ performed the second experiment. There are several interpretations of the data from this latter experiment. Those within the camp of relativity have tried to claim that this experiment showed the time dilation was in relation with Einstein's field equation but others still maintained that this time dilation more adequately shows the presence of an aether. As the experiment showed, there was a variation in the time that it took the speed of light to reach all the optics in the interferometer. The light predicted it would slow down as if there was an optical medium that the light wave was passing through the medium. In the original experiment the assertion was that if a body moved through this stationary aether, then a drag would be noticeable in the time to reach all of the mirrors. In the first experiment this had shown a negative effect. No aether drag was observed; therefore the assumption was that since there was no drag, then there wasn't an aether at all.

If this hypothesis is assumed correct, then for over several generations we have lost a valuable tool concerning aether to understand gravity that might assume with possible links to electromagnetism. Einstein for the latter years of his life worked on the solution for the unified field as the holy grail of science. Many theories have come and gone, none of which showed any real promise towards the unification of the main fields of gravity, electromagnetism, and both the strong and weak nuclear forces. There is a notion that gained merit in the physics community within string theory. The notion is that there are micro strings that create the vibration interactions with subatomic particles that generate matter, as we know it. This theory however, likely it seems it cannot be proven correctly since no experiment is sensitive enough to prove that the effect exists.

III. Analysis

A. Tesla Dynamic Theory of Gravity and the Membrane

A structural membrane energy field by definition is a thin membrane of energy that is pliable and malleable. The field is assumed to have a fluid structure. It is postulated as a theoretical construct or more as a conjecture that cannot be proven for the field energy interactions in the time space continuum. It is also postulated that this membrane interacts with rotational matter with an electromechanical effect that is the force that we call gravity. This membrane permeates the known universe and is called exotic matter or aether. The tensors in Einstein's Field Equation treat a fabric in space-time that bends, twists or warps its shape. It is these theoretical constructs that also led to the development of ideas such as the Einstein-Rosenberg Bridge, or as a wormhole.

The fabric can be defined in terms of a fluid motion membrane or aether-like membrane that permeates the known universe as in a modern aether theory. A fluid momentum membrane includes a plasma that interacts with solid

matter. Using the field tensor dealing with the geometric constants that Einstein works acts as a fabric that interacts with matter and its effect on gravitation. The stress-energy tensor deals with the non-linear transfer of energy and momentum in curved space-time.

The purpose of this paper is to look at this concept in a different light in regards to ideas espoused by Tesla⁴. All of the properties quoted above can be explained using a new terminology as a fluid momentum membrane. The idea of a fluid-momentum membrane is based upon research from the field of sub quantum kinetics. It is assumed that if Einstein's theory postulates mass, it creates an attraction that warps the fabric of space-time. Sub quantum kinetics postulates that the geometry of space is malleable; therefore it confers to simple geometric rules. In quantum kinetics, gravity is predicted as a mass-energy interaction on a geometric gradient.

The idea about bending or warping the fabric of space-time is not a new idea. Alcubierre has discussed creating a warp of space-time continuum that shows, at least in theory, that you can develop a system to generate a localized space warp configuration. This allows the craft in a stationary field bubble in the space while the field generates forward momentum and assumes cancel of inertia.

The field creates a condition that allows for the kinetic transfer of energy-momentum from the subatomic matter surrounding the fluid field. This is achieved by generating a collapsible wormhole generated around the vehicle. This creates the conditions where the ship can be assumed as being stationary in a collapsible wormhole. As the particles of matter flow around the warp field that is generated, then theoretically the speed of light may be bypassed. There were some controversial experiments that have shown neutrinos that some claim may travel faster than the speed of light. Since this observed experiments were recorded, then the speed of light roadblock may have been broken. The field generates a vacuum and this is where the null space exists. In the vacuum, inertia ceases and the craft no longer moves in forward momentum, the field interaction outside the vacuum is "pulled" in the direction of a positive charge that the outer field generates. The field reacts to the fluid medium that is similar with a ship on an ocean. This ocean, however, is similar to the fluid aether and the field dilates this medium as a propulsion source. This dilation also explains why the universe is expanding.

Thus, as the energy density is negative and one needs exotic matter⁵ to travel faster than the speed of light for the Alcubierre and wormhole approach. The existence of exotic matter is not theoretically ruled out. The Casimir effect and the accelerating universe both lends support to the proposed existence of such matter. However, generating enough exotic matter and sustaining it to perform feats such as faster-than-light travel, also needs to keep open the 'throat' of a wormhole or it is impractical.

B. The Fluid-Motion Membrane: Engineering the Membrane for Propulsion

There is an implied assumption that aether is flat and motionless. Instead of flat or motionless, the aether may find that there is a fluid-like motion with mass that creates ripples generating energy-momentum that perturbs the field around a mass. These disturbance along rotation of matter in the field generates an attraction in the space surrounding the mass as the field collapses. This exchange of momentum between the solid mass and the membrane acts like an energy field that generates a state of equilibrium to generates gravity. The larger the mass, the more pronounced the effect in localized space. This is a very simple interpretation of why the universe is expanding⁶ and not contracting similar to predicted by the Hubble Constant model.

M. Consoli and L. Pappalardo⁷ show that gravity is a long wavelength acoustic phenomenon in a super fluid medium. In this framework, light might propagate in an effective acoustic geometry and exhibit a tiny anisotropy that can be measured in an aether drift experiment. This could show that there is an underlying "quantum aether" that would show the random fluctuations effect which is now considered background noise.

Puthoff⁸ based on the late Russian physicist Dr. Sakharov, found that gravity is a zero point fluctuation force where he points out that Sakharov regarded gravitation not as a fundamental interaction, but as an induced effect brought about by changes in the vacuum when matter is present. It is the author's assertion that this also includes matter that permeates the universe such as a membrane.

As observed in experiments by Podkletnov, Searl, Roschin and Godin, and Murad's⁹ replication of the Godin device, has shown that gravity might overcome. If some of the claims are true, these inventors are to be believed that there is a significant loss of weight due to possibly by asymmetric forces that counteract against the weight using high voltages. The voltage allows for the flow of subatomic particles at redistributions of these particles through interacting particles due to lines of force caused by rotational magnetic fields.

As particles flow to the point of least resistance from positive to negative, the momentum is increased thereby allowing the linear transfer of that energy-momentum into the membrane generating a flux condition within the disturbances being generated. It is a simple action-reaction process created by the diverging energy fields that may possibly be generated by the machine that interacts with the membrane. The stronger the field generated by the machine, the more pronounced the effect. This can be achieved using the spin or vortex that these devices generate.

It is assumed that at higher rates of rotation, more weight is reduced.

Aether isn't a field of charge that permeates matter as some have contended. It is more of a stand-alone state of energetic particles bound by electromechanical force that binds with the larger bodies in the universe. If this interaction with matter creates a mechanical effect that may produce a state of equilibrium. Aether could be the very substance that generates matter including the planets. It is the opinion that it is yet to be proven that matter may generate gravity through an electromechanical process along with rotation. The state of matter can't be observed parallel to the earth's rotation because it would be difficult to observe using known methods of observations except in space. Some experiments cannot be determined on the ground.

With this, a system can possibly be engineered using the electromagnetic field to generate resistance by using spin in the energy field that can fold the field and counteract a gravitational effect if you believe about unique crafts can produce anomalous effects such as warping space. This highly charged field can be generated by rotational magnetic fields if the rotation is at a high enough rpm and the engine is producing low yield frequencies such as the 10 GHz range to effect a weight reduction. Searl observed weight reduction and if true about the Searl Effect Generator, or SRG then supposedly took flight. The same effect was also observed in the earlier work achieved by Thomas Townsend Brown in his work dealing with flat disk shaped capacitors. The disks in tests showed lift and this was even more pronounced in vacuum chamber tests performed in France during 1956.

As the aether is in a state of flux, then it isn't in a state¹⁰ of equilibrium. There are three states of equilibrium that include stable, unstable and neutral. Stable equilibrium is when a body is placed that it returns to its former position. Unstable equilibrium⁹ is a situation when a body moves and doesn't return back to a stable situation. Neutral equilibrium occurs when a body is placed that when it moves slightly, it either returns to its former position or that it departs from it more widely as if it acts as on a cylinder or a sphere near to it's former position. The interaction proposed is one of unstable equilibrium with elements that would generate the effects needed for the theory.

The membrane is assumed electromagnetic in nature meaning that it is made up of energetic particles that form a structure akin to a fabric. This fabric is a lattice of energetic particles that form a matrix to create the membrane. This allows the creation of matter as well as interactions of plasma with the attraction generated by the plasma. There is a physical component of the membrane and creates matter itself. What this means is that the membrane, if true, has physical properties that are electromagnetic in nature and therefore can be manipulated by using electromechanical means as well as frequency based systems that produce microwaves to manipulate the fabric.

By pulsing a microwave burst with cycle-timed pulses, which releases energy into the membrane, it causes a disruption that leads to an imbalance bending the membrane. The system generates a polarized field with electromagnetic properties by binding the membrane using magnetic spin. This allows for the random fluctuations of the vacuum energy. The electromagnetic field that the system generates is both positive and negative. The use of a Poynting vector predict the motion of a craft in relation to the generated electromagnetic field. The craft and the particles will follow the path directed by a positive charge and allows forward movement generated in the direction of the positive polarity.

In Special Relativity, an extension of general relativity says that the original theories that Einstein proposed that space itself is physical thus our entire reality is based on this. Special Relativity can be interpreted that it says there is an aether that drives the forces in the universe.

This property allows for a warp drive concept to work since space is not an empty vacuum but has physical properties of energetic particles that are all aligned uniformly that can be simultaneously created or destroyed. These particles may manipulate an electromagnetic vortex that can create an electromechanical means, which either is created and then disappear. The question is how to exploit this capability. Examples of this may be the Searl device, Podkletnov's gravity beam generator, as well as the experiments done by Hutchinson, Murad as well as researchers in Russia and France who have noticed a lose in weight.

C: Engineering The Membrane

When looking at the concept of a membrane, one must also look at designing systems that take advantage of the membrane's ability to fold and then spring back to its original configuration. Doing this allows the system to manipulate gravitational fields. In Murad's paper- Ramification of Einstein's Field Equations for Creating Advanced Propulsion Systems¹¹ over unity systems work within the boundaries of Einstein's field equation. The over-unity efforts induce changes in gravity or in the space-time continuum curvature. While it isn't the author's case here to discredit Einstein's theoretical work, it is the contention of the author that there are other possible ideas that need to be considered and have merit as well as relativity.

The fact is that some of the proofs considered as staples of the Theory of Relativity such as gravity lensing, time dilation, frame dragging and others can also be explained by aether-based interactions as well. If the fabric of space-time is the aether, then it is assumed that the same effects can be observed as in relativity. But this is more clearly

defined then the model Einstein had developed. These effects are examples of gravity-based interactions of aether. If there is a medium that interacts with matter, let us say that it is quantum aether, and then the same effect on light would be the same as predicted by Einstein theory with variations. Since the membrane is considered as a thin film of energetic particles, then the existence of such a film would be negligible at the very least meaning that it would not be observable within the current boundaries of existing technology. Gravity would be the only constant that would prove the effects of aether on the surrounding space environment.

As a body is in orbit, it rotates that produces drag as the body interacts with the membrane. The physical drag with the membrane creates equilibrium in the interaction between the body and aether in the form of frame dragging. The smaller of the body's mass, the lower membrane drag acts on that body. The larger the mass, the more pronounced the aether drag which leads to an increase in the force of gravity per square inch on the mass of the body that membrane interacts with. Along with aether drag, rotation also plays a role to warp the membrane.

The rotation allows for equilibrium. A system should be able to generate a field warping the aether by creating an imbalance between the aether and the matter during an interaction. The imbalance allows the aether membrane to stretch and bend. This action allows for the system to generate a force without propellant since the membrane may possibly fuel the interactive effect. The membrane is made up of highly charged particles and with the slipstream effect created by the warp field that would generate these particles around the system for a propulsive effect. Sensors can measure this particle's kinetic energy that can be converted into electrical energy. So with this action there is a possible way to energize the system using the membrane.

There are three separate thoughts on how to achieve this. The first deals with the work done by Thomas Townsend Brown with asymmetric capacitors that are highly charged. This produces an ion wind that generates lift. There are some other effects observed such as lift in a vacuum that couldn't be explained with ion wind exchange. The modern day system equivalents are lifter technology reported in the book: *Secrets of Antigravity Propulsion* by LaViolette that may also use the effect that was observed by Thomas Townsend Brown

The second idea is the concept of gravity beam propulsion first proposed by Podkletnov¹² In the early Nineties, Podkletnov performed experiments dealing with rotating superconductive magnets. He observed gravitational effects when he would later investigate as gravity shielding effects that now have led him to create a gravity beam system with an experiment.

Podkletnov¹³ had observed matter lost weight rotating a superconductor at a high rps. He rotated a superconductive material at over 300 rpm where there was a noticeable loss of weight of two percent. In more recent experiments he pulsed the capacitor from 0.5 to 2.0 mega-volts. The more intense electric field, the higher the rate that gravity propagates lift. The higher rate of the cycling pulsed microwave energy in a localized area that produces more lift and momentum because of the disturbances in theoretical membrane. The membrane resonates from interactions of zero point particles. The fundamental frequency in the Universe¹⁴ is the Ryhsmonic (aetheric) frequency f^* which is equal to $1/T^*$ or $1/5.391 \times 10^{-44}$ sec. which is about 1.855×10^{43} Hz.

These particles appear at random and then are destroyed by creating vibrations that resonate in the fabric. This existence appears as a charge in the field. When the field twist occurs, energy may be released allowing for forward acceleration. A system that develops will be stationary relative to the field. The medium that surrounds the field is accelerated due to polarization of charged particles. Polarized particles allow for the forward movement of the field due to charged particles that follow the path of least resistance. The more charged field produces a higher rate of acceleration that may lead to forward momentum. The rate of this momentum in a vacuum is relative to the charge that the field generates. The higher the charge, the faster the particles accelerate around the field.

This allows for constant acceleration at or near the speed of light or possibly faster. Since the field interacts with the environment, subatomic particles generate an attraction against the field. The particles then pull the field forward using the interactions of the magnetic charges that repel each other in a vacuum. This repulsion generates forward momentum and once achieved, there isn't anything that can stop the field's forward momentum because there is no resistance to interfere with the reaction in a vacuum. Therefore, there is no resistance due to the vacuum itself. All the matter inside the field is stationary, thus this does not pick up momentum but the field itself does increase velocity and doesn't violate the speed of light restriction. This allows for twisting the membrane and the creation of the shock wave produced. The shock wave bends the membrane. The craft that loses weight also flex's the membrane.

In magnetic rotation when a disk of superconductive material is spun¹⁵ at 7000 rpm, the disk loses weight. This effect may show that the higher the spin rate due to the more intense electromagnetic field that produces the effect of gravity. The electromagnetic field produces a point singularity that leads to the membrane allowing for the rotational field to directly affect the membrane by electromechanical means.

The next system has shown promise and significant effects in microwave beam technology. In the late forties to the mid sixties, Rocketdyne Corporation¹⁵ which later was part of North American Rockwell, did a series of tests in

the Skyvault project demonstrating that gravity could overcome by pulsing microwaves under a disk shaped craft. The idea reportedly worked, however, it was deemed impractical since the microwave antenna couldn't produce enough output of energy to maintain the effect over long distances. There is now a modern day equivalent that promises using ground-based lasers that induce lift. The beam is concentrated on a target, let us say a flying disk, generated by heat produced by a laser. The flaw in this approach is that laser stations are placed at strategic points where the beams can generate the propulsion source to maintain the forward movement. The same is true for the microwave beam technology using ground-based microwave units. A microwave could bypass this problem by carrying the beam on the craft. The only issue is that there is a medium for the beam to work. This can may be achieved by tuning so that the system produces a resonating frequency that vibrates the medium like a drum.

Remi Cornwall¹⁶ of the Future Energy Research Group wrote in a 2010 paper that there could be subliminal signaling using relativistic effects through a material and that the "Ether Transformations" should be reconsidered through the Lorentz Transforms allowing for subliminal signals to transverse space through a medium. The medium here aptly named ether. Since there can be shown motion through the aether then it seems to show that the aether could be manipulated through mechanical means. The effect is brought on by pulse burst of microwave radiation at around 16 pulse burst cycles per second and the rotation of a magnetic field at or around 3000 RPM, which compresses and bends an electromagnetic field. As this is achieved, then the membrane is folded allowing for counter gravitational lift and warp drive. As the field is warped around the ship or engine the creates the warp or folded membrane, the engine and craft are protected in a version of subspace that then creates a condition that will nullify inertia and the ship can in theory, travel without the effects of momentum. The warping of this membrane also creates a shock wave that generates a field that pulls effects that allow for faster than light travel. This is for long distance travel and long distance travel. This will allow mankind to reach the stars and economically colonize distant worlds. This also will allow for mankind to go where no one has gone before and to explore the universe as has never been done before.

D: Gabriel Kron and his Work on a Unified Field Theory

Gabriel Kron¹⁷ has a way of understanding the process of how electrical systems interact with the medium. In his workspace, it could be manipulated by the extreme bending of local space that occurs when rotating systems are coupled to each other in certain ways. In papers written by Gabriel Kron, such as in his classic paper Non-Reimannian Dynamics of Rotating Electrical Engines, which had won him the Montefiore Prize in 1935 from the University of Belgium, as well as others such as Tensor Analysis of Networks in 1939 and A Short Course in Tensor Analysis for Electrical Engineers in 1940. A rotating electronic systems geometry is itself an example that has engineered curvature in local space-time created by a torsion effect generated by the rotating systems. The rotation creates vectors of force bending the fabric of space-time that when extreme enough the normally perpendicular forces such as magnetism and electricity may be more "parallel"; undergoing a kind of "distant parallelism" brought forth by extreme warping of space.

With the case of an aether as a membrane, then there is a medium in which one can effectively interact with this that would show how space could be manipulated. This being the old aether paradigm would have been useful to incorporate in the formulas that dealt with a unification model of energy, electromagnetism and gravity. All being products are of aether interactions that have generated localized effects on matter in space.

IV. Results

The issue is that the space-time curvature tensor may provide a means for validating this issue. Einstein's field equations is as follows:

$$R_{\mu\nu} - \frac{1}{2} g_{\mu\nu} R = \frac{8\pi G}{c^4} T_{\mu\nu} \quad (1)$$

This form does not include the cosmological constant, which accounts for expansion or contraction of the universe. A more complete form would be:

$$R_{\mu\nu} - \frac{1}{2} g_{\mu\nu} R + g_{\mu\nu} \Lambda = \frac{8\pi G}{c^4} T_{\mu\nu} \quad (2)$$

where $R_{\mu\nu}$ is the Ricci curvature tensor, R the scalar space-time curvature, $g_{\mu\nu}$ the gravitational metric tensor, Λ is the cosmological constant, G is Newton's gravitational constant, c the speed of light, and $T_{\mu\nu}$ the stress-energy tensor sometimes referred to as the mass-energy tensor or even the stress-energy-momentum tensor.

In differential geometry, the Ricci curvature tensor, named after Gregorio Ricci-Curbastro, represents the amount by which the volume element of a geodesic ball in a curved Riemannian manifold deviates from that of the standard ball in [Euclidean space](#). It provides a way of measuring the degree to which the geometry determined by a given Riemannian metric might differ from that of a metric in ordinary Euclidean n -space. More generally, the Ricci tensor is defined on any pseudo-Riemannian manifold. Like the metric itself, the Ricci tensor is a symmetric bilinear form on the tangent space of the manifold.

The problem is that R represents the curvature tensor and can be used to define the membrane. However, no consideration is included to account for rotation. If we assume the space-continuum moves at a velocity, we can characterize this tensor as follows:

$$R = v \cdot r + \Omega + \tilde{R}. \quad (3)$$

Ignoring units, the first term accounts for velocity that involves the motion of the aether, the second tensor accounts for rotation while the last tensor includes normal curvature in the space-time continuum.

There may be a way to make this effect more pronounced and allow for effective manipulation of a membrane. The best approach to overcome gravity is to develop systems that use the principles of all three of these experimental apparatus. By producing highly charged asymmetric capacitors¹⁸ which allow for the sudden release of megawatts of energy, along with the spin function of highly charged rotating magnetic systems as those that were experimented to produce weight reduction.

What is required is a combined approach that takes all three systems into effect to generate the warp effect needed to control gravity by allowing frequencies that will allow for the slipstream effect to occur. This is achieved by generation of a project to generate a gravity beam rotated around the axis of a ship. Combine this with microwave generators that will pulse at around 11 to 50 cycles per second and use low frequency microwave at around 50 to 60 hertz. This would produce a pulsed frequency that would create the shock wave effect in the membrane.

If you produce a microwave beam of sufficient strength to produce a cycling field that would generate pulses by microwave generators. This might generate a field as an imbalance to occur in interactions. This would alter the field that might store energy in the field. After the energy is built to a point, then there may be a release of the energy. With the release of the energy, bending the membrane occurs and forward momentum is achieved using the flow of charged particles around the field in the direction of the positive charge. This will lead to the expansion of mankind in the cosmos by making it easier for mankind to go from one place to another faster and more effectively than has been previously done.

V. Conclusion

To control gravity one might want to look at the force of gravity as an interactive effect between an aether-like membrane and matter itself not as a force on its own. Aether is becoming more accepted as a unifying force factor then even relativity once was. In the form of a quantum aether-based model that allows for the unification of "forces" such as the strong to weak nuclear forces and gravity with electromagnetism. This can be achieved using a plasma that permeates the universe. It is this very field that may be the catalysis for the very creation of matter itself. It is this interaction between the two states of matter that leads to the strong to the weak nuclear forces and gravity with electromagnetism.

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