

Fundamental Theory of Singularity (FTS); Formulated Study - 3

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Abstract: Gravitation is an arrow head pointed towards Sp-ti 0 of every single object at its core and its flow is a downstream from surface to depth of space-time medium through Sp-ti 0 (deep) – Sp-ti 0 (deeper) – Sp-ti 0 (deepest). This flow is made as solid circular loop between two objects (minimum) like a rope which would catch hold of each other, so that the evolved objects does not collapse back into nothing. In addition to this comes the orbitation, that the tied objects based on its depth level of Sp-ti 0 core, one object revolves around the other object (later deeper than the former). This Gravitational rope and Orbital belt are invisible, as these aspects are falling in fourth dimension yet their functioning is observed in terms of force of attraction and path of revolution respectively. Thus, the G-Rope and O-belt could not be cut or interfered by the 3D objects but only to abide by the way it is by nature. Means, space-time medium serves the background and thus have absolute control over the life of evolving, sustaining & fading away of objects in it.

Key-points:

- (i) The theory of relativity is based on observation and reference frame of the observer. Means, when the results varied with observers of different reference frames, the theory stopped further analysis as human understanding is the ultimate point in life. Thereby, it was anticipated that the concept of relativity would be the fundamental law of Universe.
- ii) Relativity did not work for the fundamental study of everything, as the term itself means, it requires minimum of two objects or aspects related to each other. This would obviously fail when it comes to what is fundamental for a single object in nature like creation of particle at quantum scale or the evolution of Universe itself from singularity.
- iii) The theory of singularity shows the path beyond the human comprehension and observation point of view leading to ultimate reality indeed. Simply, science is for human understanding or learning however, it does not mean reality is lost when human mind is lost. Reality exists forever even when man was an ape or not born at all.
- iv) Base is a special dimension, as it contains two faces same like a coin with head and tail. This dimension has noble philosophies when explaining the human social life in singular perspective. In physical science it shows one phase for observation and other dual phase is hidden behind the former one and remains unobserved. Singularity study reveals those details with minute techniques.

Key-words: Dimensional ribbon, Real cone, Shadow cone, Curled-up real dimensions, Conventional graph, Quantum Sp-ti grid, Quantum thread of gravitation, G-Rope, O-Belt, Primal gravity, Great orbit, Sp-ti bubble, Stretched wide dimension, Relativity (duality), Singularity, Speed of light, FTS – Summary, Classical Newton-Einstein Gravitation, Modern quantum gravity, Time dilation.

1. INTRODUCTION

The scope of theory of singularity is to explain the whole existence broken into quantum units for minute understanding. Hope this theory will contain every single thing connected to every other object of the Universe without any contradictions and at the same time explained for its singular existence by eliminating the dependency factor too. Also, all the discussions so far, have to meet at one point to show singularity is the ever-existing ultimate reality, driving the life from source to destination. In this, the starting and ending point are the same so, obviously fundamental theory is also the final theory of everything however the explanations in terms of physics shall vary among different aspects of life like economics, medical science, social science, biology, astrology etc. The singularity point shown in our space-time drawings so far is only a physical nature.

2. DIMENSIONAL RIBBON OF SPACE-TIME

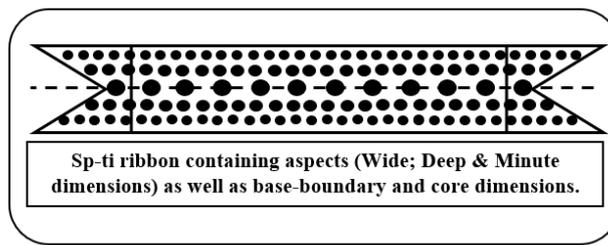


Fig199

2.1. Real Cone of Real Dimensions

Real cone is a combination of six new discovered dimensions curled-up beyond human vision and even imagination. These cones constitute the shape for space-time study indeed. And without these representations it is impossible to understand space-time as a whole existence. Even if science and technology make observations with videos of outer space captured through powerful telescopes for thousands of years, mysteries remain the same and concepts would float in isolation.

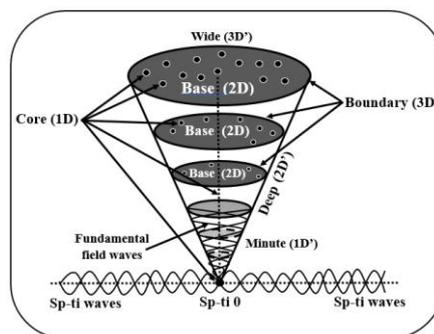
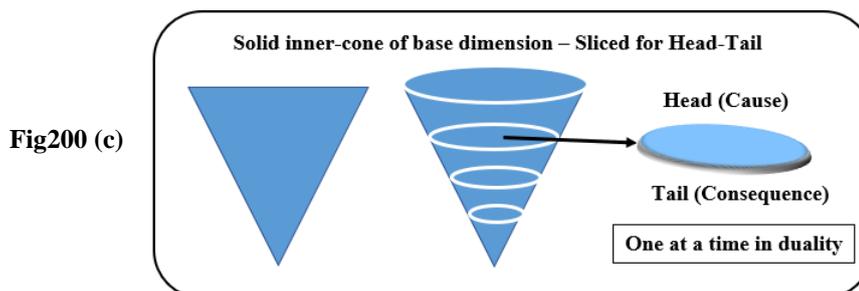
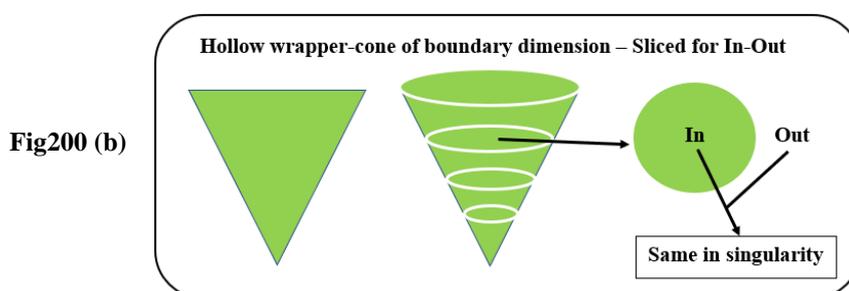
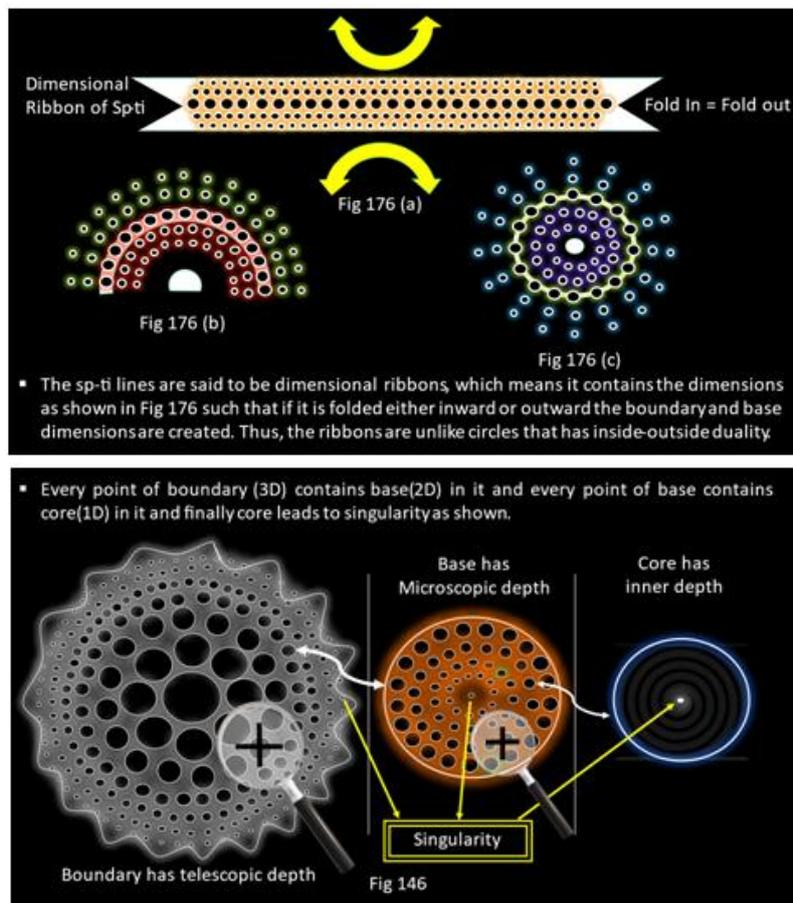


Fig200(a)

The three main real dimensions such as Core, Base and Boundary that differs with positions of Sp-ti 0 has to be further analyzed for hidden dualities. For example, we see base-boundary is an inseparable duality that, when there is plate-like base, obviously there must be an edge of this plate with a boundary. However, considering a real cone of dimensions it is possible to separate the base-boundary dimensions. Overall base could be assumed as an inner cone whereas the boundary dimension is assumed to cover the base cone, which could be unfold as a wrapper.





3. CURLED-UP REAL DIMENSIONS OF SPACE-TIME

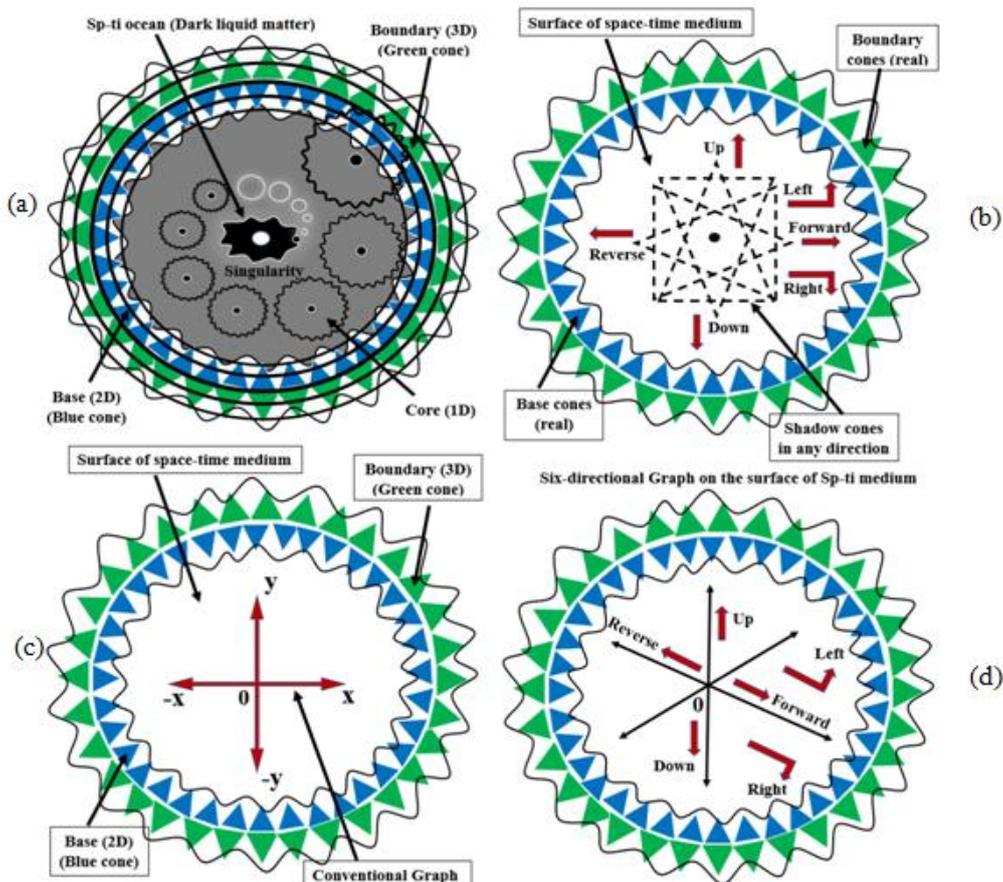


Fig201

4. SHADOW CONE OF REAL DIMENSIONS

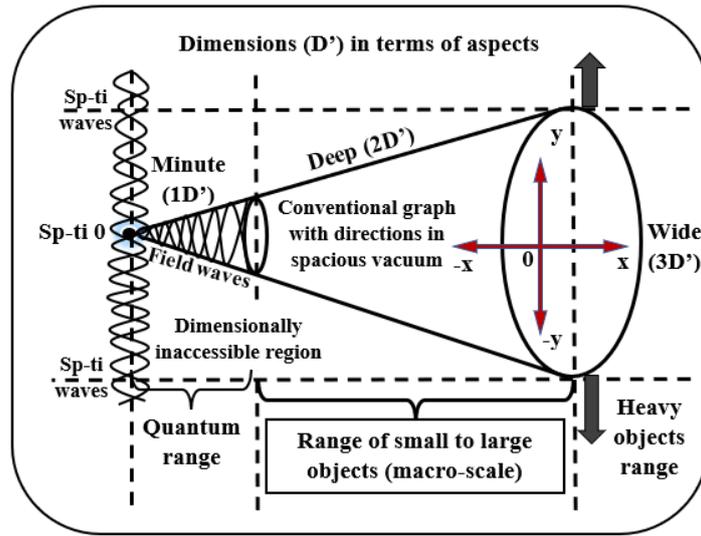


Fig202

5. SP-TI GRID FROM QUANTUM TO MACRO-SCALE

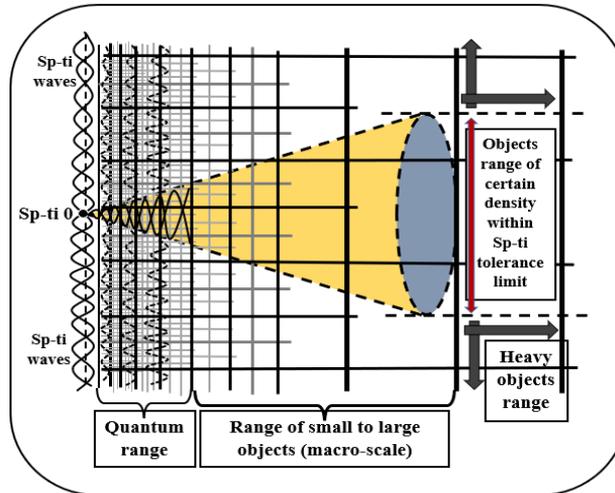


Fig203

6. SP-TI GRID OF MACRO-OBJECTS WELL WITHIN SP-TI TOLERANCE LIMIT

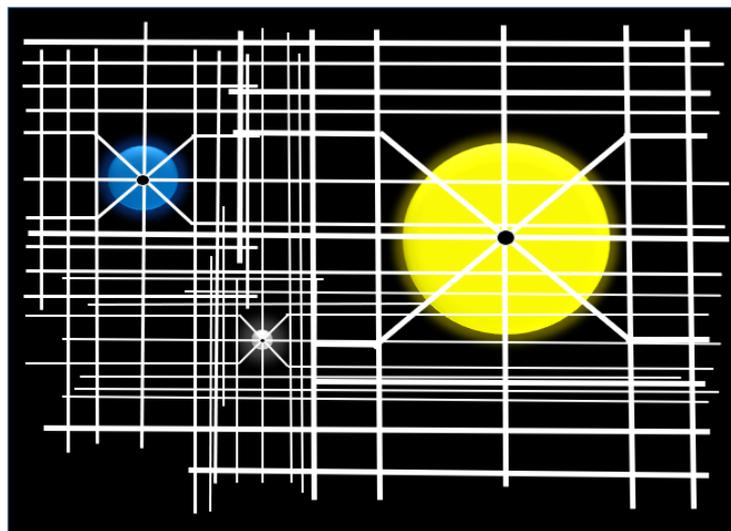


Fig204(a)

6.1. Threads of Sp-Ti Grid Becomes G-Rope & O-Belt

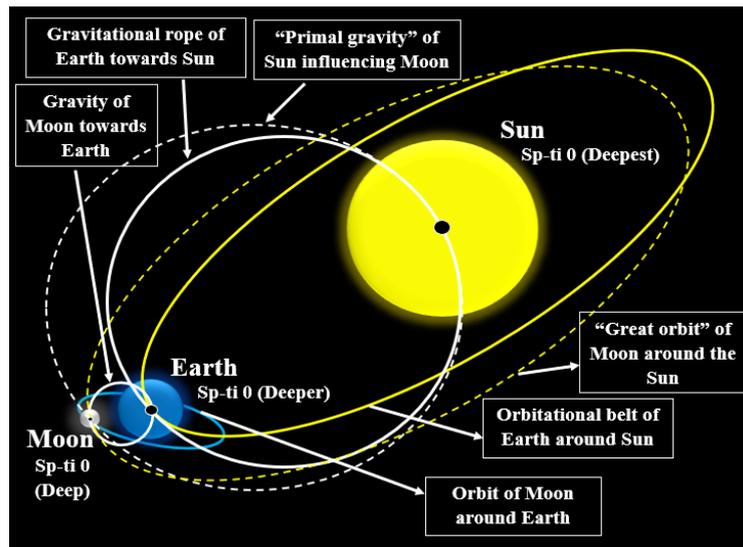


Fig204(b)

6.2. Effect of Gravitation-Orbitation over Sp-Ti Grid

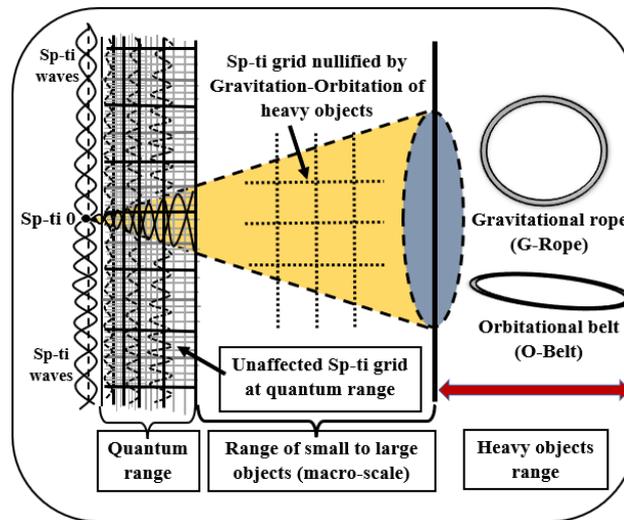


Fig205

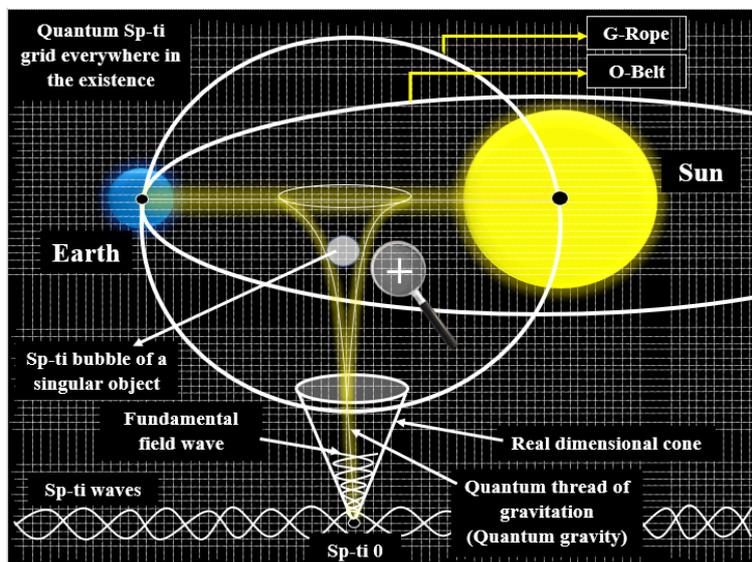
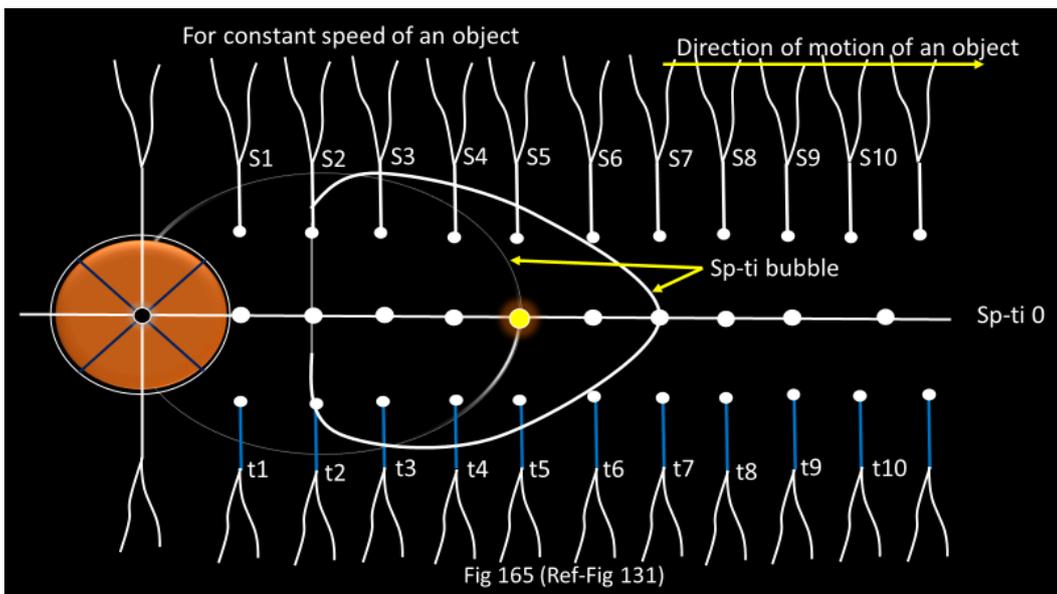
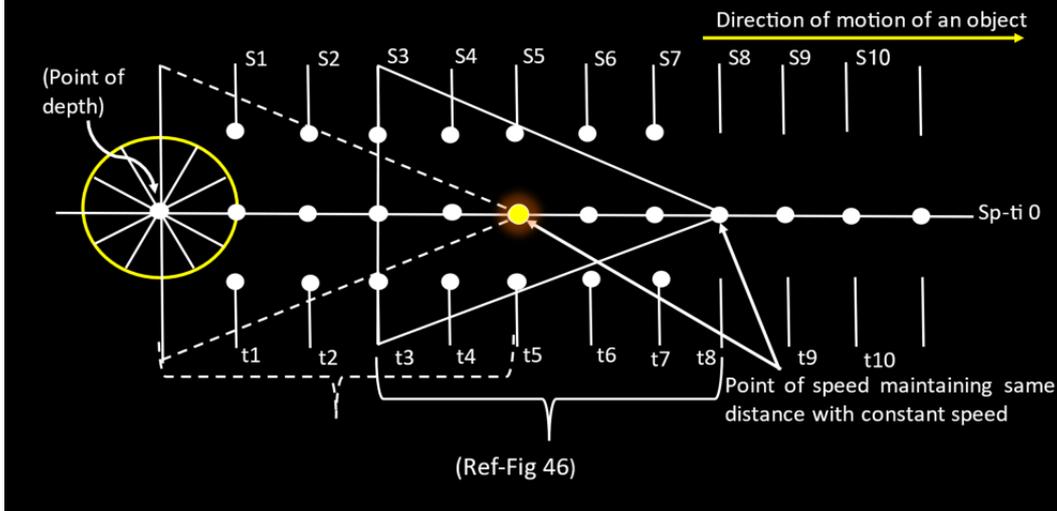


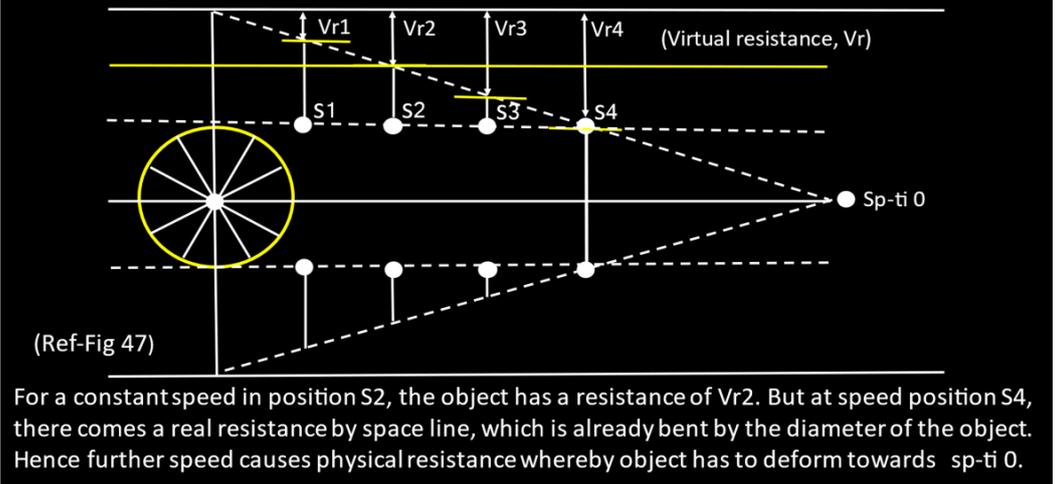
Fig206

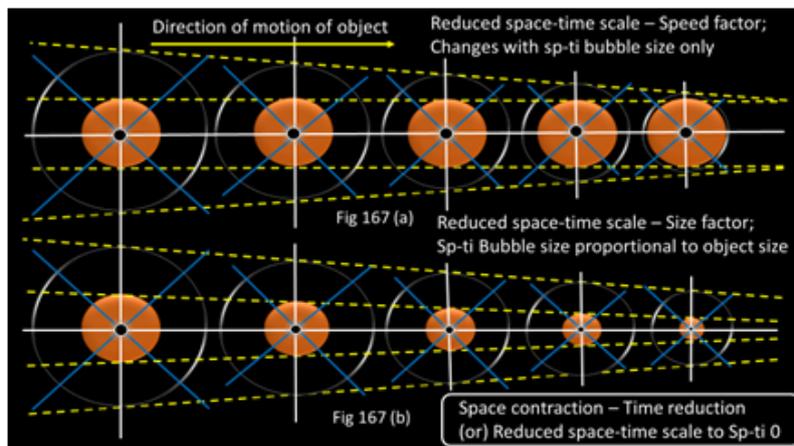
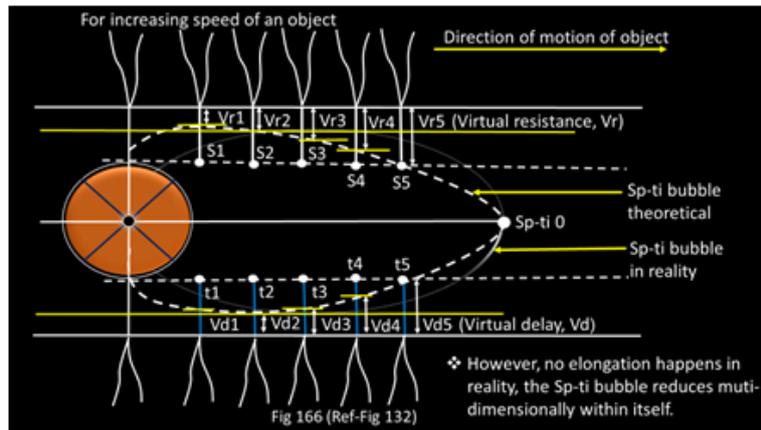
Fig 46 shows, the object moving in space-time in a direction at a constant speed. Whose variations could be observed as it passes through space(s_1, s_2, \dots) and time(t_1, t_2, \dots) measures.



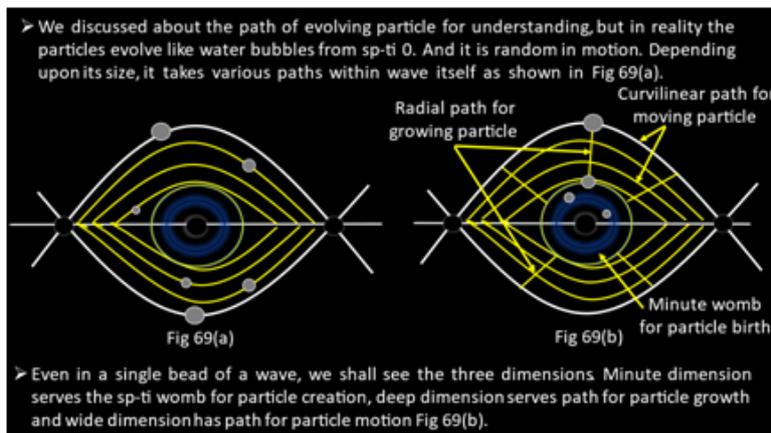
Singular object independent of Gravitation, acquires back its own Sp-ti bubble

Fig 47 shows, an object moving in a direction with an uniformly increasing speed. Clearly as the speed increases, the space availability keep reducing in terms of virtual resistance - V_r , just being a variation without affecting the object physically.

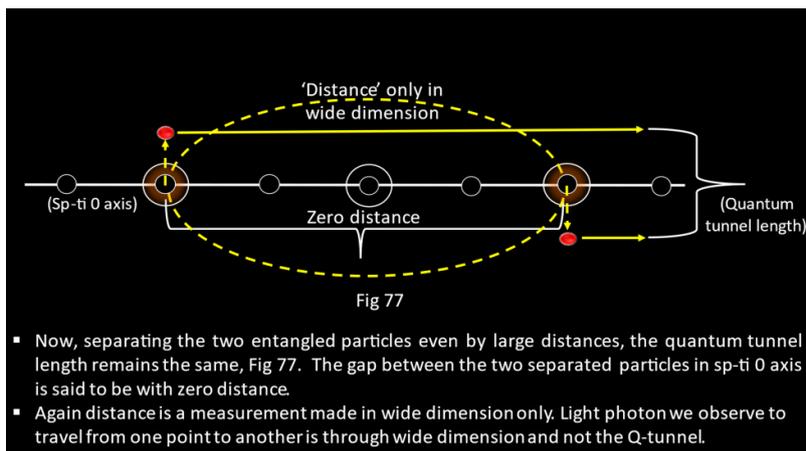




7. THE PATH OF LIGHT IS COMPARATIVELY SHORTER & NOT THE SHORTEST



7.1. Quantum Tunnel is the Shortest Path in Sp-Ti Medium



8. FUNDAMENTAL THEORY OF SINGULARITY (FTS)– SUMMARIZED

Observer’s perspective never everdisclosesbutonly helps in understanding or finding the path leading to the ultimate reality rather. It is possible to mark the position of human mind in space-time from where it starts projecting out to visualize things. As long as one’s mind is dwelling in dualities like Forward-Reverse; Up-Down; Left-Right etc., space, time and speed appears to be relativistic and correct.

However, in absolute perspective, time is absolute where the existence (Space-time) itself is going through the point of its non-existence between two consecutive moments. We shall decide whether we need a science based on human convenience (observation point of view) or the reality (Technical knowledge of space-time beyond human observation).

Now, to summarize the studies altogether, we have manynew topics from our previous journals that could bring out the essence from overall frame work of theory of Singularity published so far.

However, we would still go for describing how Gravitation is imagined in classical Newton-Einstein theories and then their existence in realityusing modern quantum gravitation for summarizing. The main aspects of gravitation to be represented in a single diagramwouldincorporate all the other discoveries such as real dimensions of Sp-ti, structure of black holes, Fluid fountain mechanism of space-time, Singularity - the primary source of light, Quantum entanglement path, Source of dark matterin liquid state, finite structure of sp-tietc., discussed earlier.

i) Modern Quantum Gravitation Over Classical Newton-Einstein Gravitation

Newton’s understanding of Gravitation was initially earth’s gravitational pull of attraction towards objects. The next level of understandingwas assumed for a mutual force between two objects in space. It worked most of the parts however, faced some failures like coming to planet Mercury closer to Sun, did not work with the estimated orbit and preceded the original orbit with slight variations and thus, Newton’s calculation was limited to unknown conditions.

Then 300 years later,Einstein discovered space-time to behave like a fabric such that the curvature caused by a heavy object in the fabric makes the nearby objects to either have a tendency of falling into the heavy object or revolve around it in an orbit, if located beyond certain distance. The variations in Mercury’s orbit also accounted in terms of Sun’s gravitational field influencing the same. This imagination worked for orbits of all the other planetsalso,more accurate thanNewton’s idea. So, Einstein’sgravitation was described not to be a force but a tendency of falling into the curvature setupin terms of bending gravitational field caused in sp-ti fabric.

Now, again where did Einstein’s assumption of gravitation also failed is, the gravity at quantum scale whose working could not be explained same as the curvature caused in space-time fabric by one object influencing the secondary object near to it (at macro-scale). The following diagram shows how those earlier assumptions about gravitation are near to reality and contributions of the former scientistsstill remained an incomplete study and a mystery. Our journals clarify with complete visualization of gravitation without missing any details and with our new diagrammatic representations, how even Einstein’s understanding of gravitation in space-time is yet, at an intermediate level is shown. Thus, the paper contains the study at point level in which gravitation being an invisible active vector in space-time.

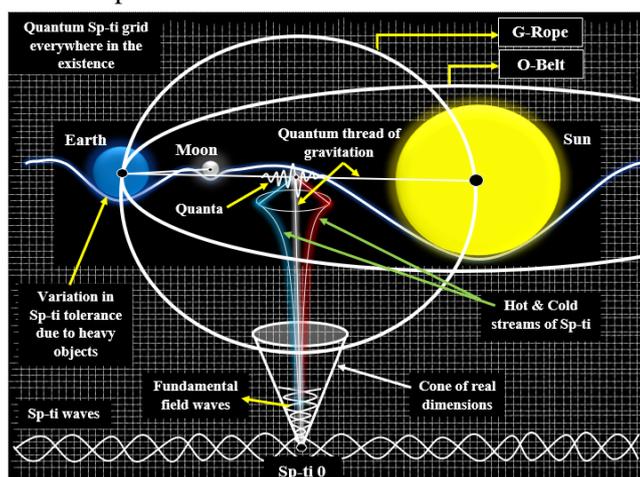


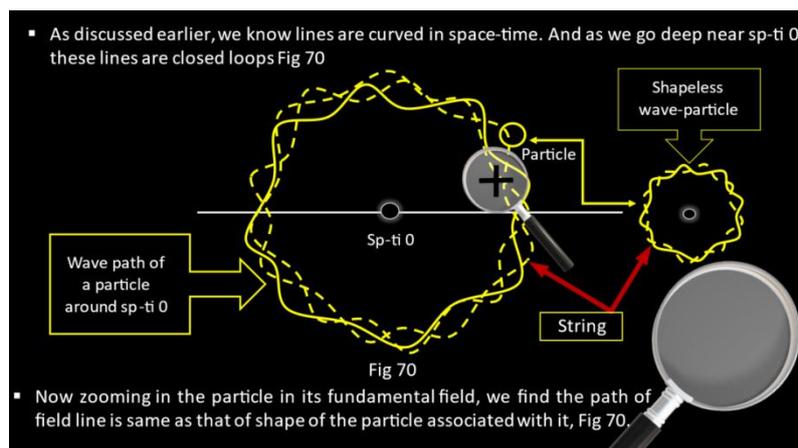
Fig206 (b)

➤ **Important Notes on aboveNew Representation of Gravitation**

- Sp-ti waves are shown horizontally and fundamental fields that would rise as particle and evolve into objects shown vertically to distinguish from one another.
- Newton’s assumption of gravitation as universal force that could be mutual between two objects with a distance factor is more or less right. However, it is not the force but a thread connection at quantum scale and a thick rope connection at macro-scale.
- Here gravitation between two objects depends upon which Sp-ti 0core of the two considered objects is comparatively deeper than the other for the downstream path. This main stream of gravitation is termed as “Primal gravity” whereas the curvature caused in Sp-ti fabric holding the two nearby objects with a stronger attractionis called as "Local gravity”.
- Einstein’s thought about sp-ti to be a fabricis actually associated with variation in Sp-ti tolerance due to heavy objects resulting in crests and troughs, only on the surface of space-time. However, it has contributedfor next level (intermediate) of understandingand absolutely responsible for local gravitation between the two nearby objects.
- Now, what else is new? Gravitational rope and Orbital belt are invisible aspects that tie the objects of the Universe together in web network, at the background. Further, the reason for Newton’s calculation of gravitation still applicable even after the cause of gravitation explained with a whole new perspective by Einstein is, only due to the presence of invisible gravitational rope between the two considered objects.
- As we discussed that, Sp-ti grid is available only at the quantum scale. For macro-objects with the range of small to large objects, the sp-ti grid is nullified by the heavy objects such as planets and stars.
- Sp-ti grid for macro-life is actually separated into two sections, then each twisted and braided as strong G-Rope and O-belt. Thus, objects assumed to rotate and revolve in space-time is not just happening only with Sp-ti fabric. If so, they would roll away in all the direction without control. Rope and belt are used to tie the objects to work as intended in a system governed by Gravitation-Orbitation web network.
- Hence, the quantum sp-ti grid is available everywhere in the existence and connection between two objects is possible mainly through Quantum thread of gravitation.The pathofgravitational rope for the same connection is comparatively longer or widerwhose nature could be technically termed as Stretched wide dimension.
- The point of creation of objects comprises of hot and cold streams, more fundamental for creation of space-time itself, to be noted. It is the parent duality of space-time indeed.

ii) How Gravitation-Orbitation Web-Network Is Weaved by the Creator Using Real Dimensions

The slide Fig 70, is from the previous journal published a year ago, when core dimension was not introduced at all. Now, we could clearly see the quantum nature has core dimension in which the wave-path of the particle has a center surrounded by another sp-ti 0 situated at the center of the particle itself. Here, the two different center points are distributed in 4D and leading to singularity in 0D, to be noted. The position of the two sp-ti 0s varies with depth levels and thus, one point has to revolve around the other deeper sp-ti 0 point.



This could be again referred from the previous journals on Gravitation for clear visualization.

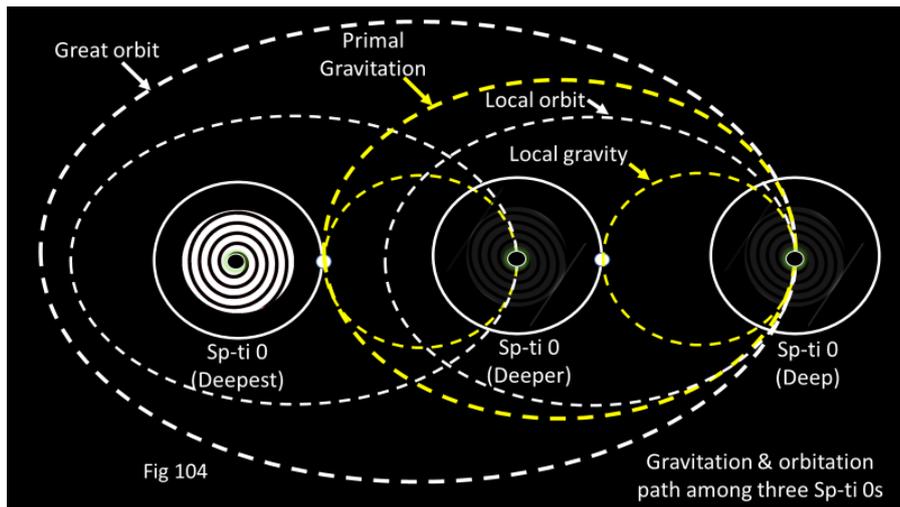


Fig 104 is the accurate diagram of Gravitation-Orbitation among three Sp-ti 0s differing in depth levels. However, for our simple understanding let us consider the line of gravitation to pass through the centers of the two considered objects whereas Fig 104 shows the gravity point for the comparatively deeper Sp-ti 0 allowing the line of gravitation to pass only at its edge, to be noted.

Here two objects mean, one is the particle and the other one is the wave path for the particle which is unlike two objects at macro-scale such as Earth and the moon.

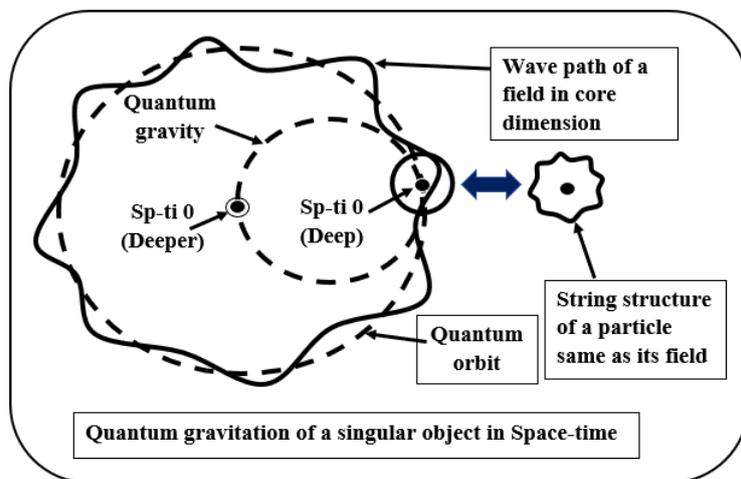
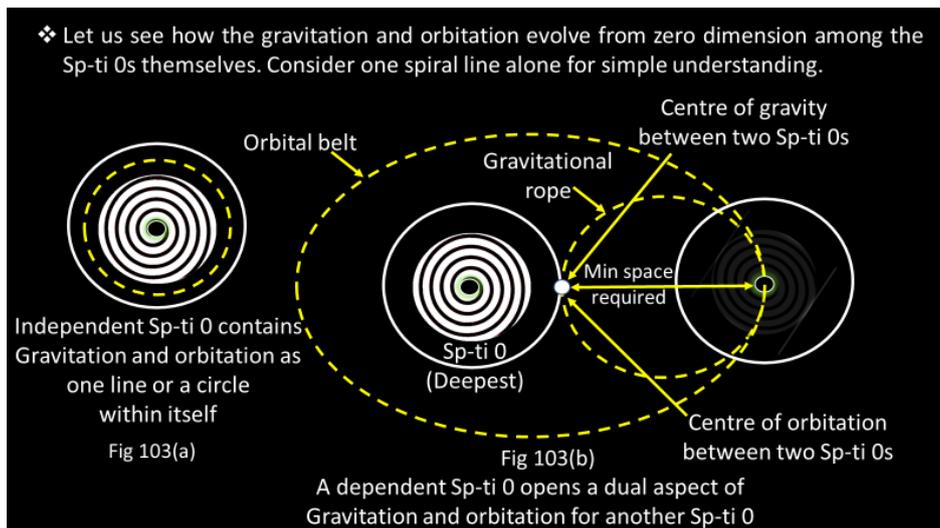


Fig207



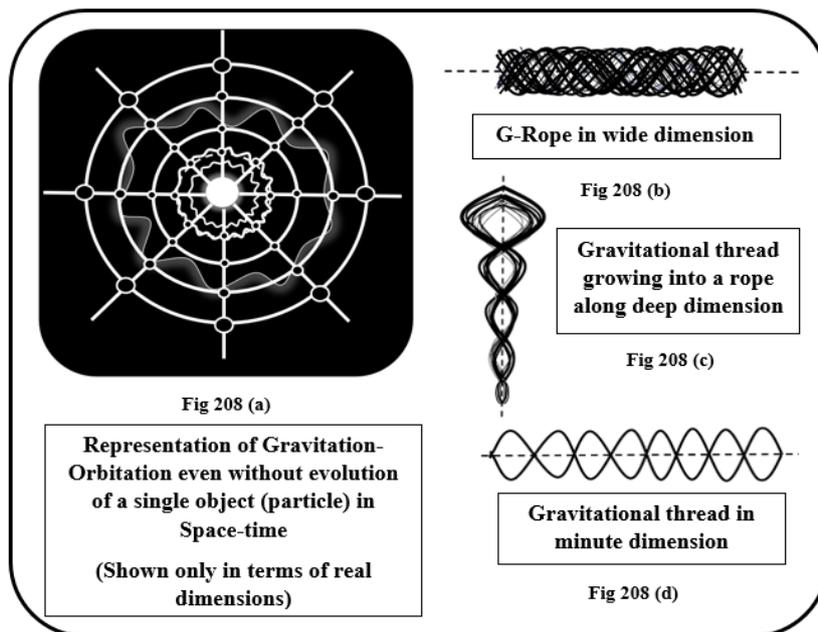


Fig 103(a) shows Gravitation-Orbitation in merged form for a single Sp-ti 0. However, as we discussed earlier gravitation could be shown as a line and orbitation could be a circle so, ideally the Gravitation-Orbitation in space-time be like a web network as shown in Fig 208 (a).

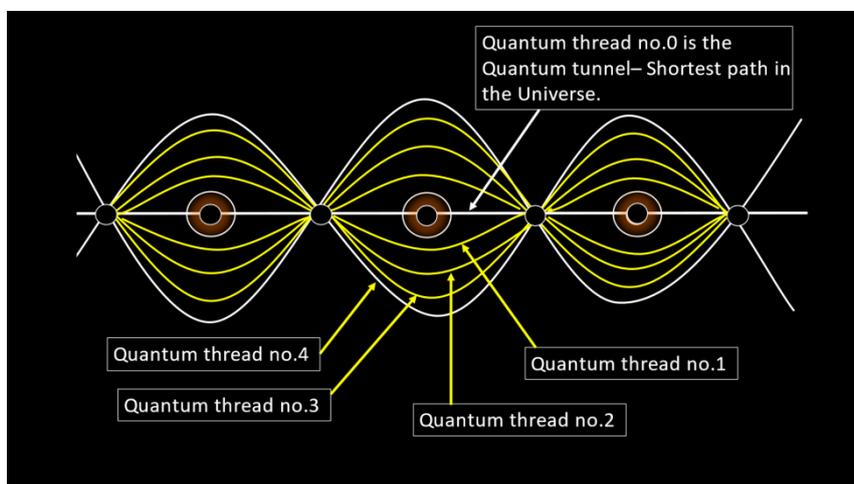


Fig209

Fig 209 shows various wave paths in pairs available for particles to travel and the above diagram could be split as each pair constituting quantum thread that has the axis of Sp-ti 0 running along its center. The shorter paths are in the order of Quantum thread $4 > 3 > 2 > 1 > 0$. Which means there is always a primary path of quantum tunnel in every quantum thread that is available for two entangled particles to communicate across it or even a single particle possibly to disappear at one point and reappear at some other point in space-time medium through the same.

iii) Time Dilation is Not About Measure of Time, even if it Implies Slowing Down of Clock in Real-Time

There are two main clarifications regarding time dilation discussed as follows,

- a) The variation in time with two clocks, for example one clock in earth and the other one in satellite (GPS) synchronized for same time, changes over a period of observation with a small difference. This is wrongly assumed as proven result of time dilation by Sir Albert Einstein. The overall surface of the medium is uneven with crests and troughs caused in Sp-ti tolerance, which results in variation in clock-time (synchronized once) pertaining to their positions at different surface or depth levels that they are situated from each other. Hence, the time dilation believed to be due to gravity in existing studies is not the true case and it is the different

positions of two considered clocks somewhere within the limit of Sp-ti tolerance that has min margin of unbent Sp-ti fabric to a max point beyond which the fabric becomes a black hole. Further, there is no such bending of gravitational field at macro-scale, simply it has to be called as bending of Sp-ti grid lines only. Also, we know gravitation is an invisible aspect falling in fourth dimension which has nothing to do with clock-time differences.

- b) In second case, the clock could not be placed at the depth of space-time medium at the point where light travels. So, time dilation is only observed as a projection marked at the surface of space-time medium as shown in Fig 210. Moreover, the time dilation shall not be assumed for slow time to happen at some point of space-time. There is no such marking of actual time in nature from which this slowing down of clock is happening. Again, it is all just about the indication of difference in surface or depth levels only.

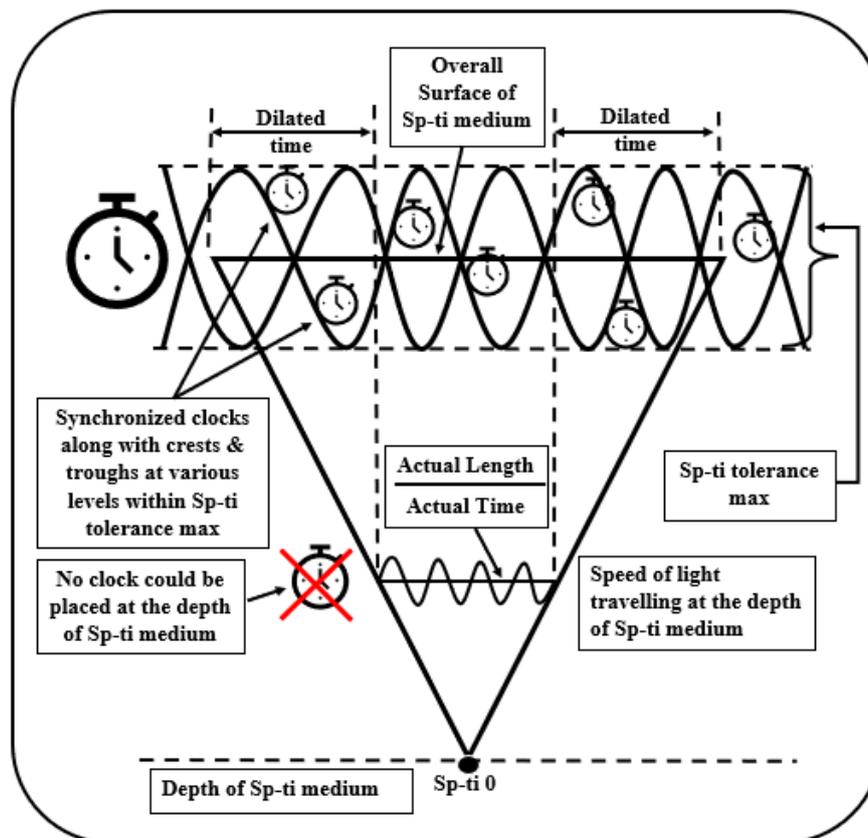


Fig210

- c) In simple terms, theory of Singularity says,
 “While the people are looking for a practical application such as time travelling, the time dilation had already served its own basic purpose,
- Either by indicating the surface and depth level differences along the whole space-time medium (or)
 - Indicating up and down - level differences (displacement in terms of crests and troughs caused by heavy objects) within sp-ti tolerance which is only on the overall surface of the sp-ti medium”. [Ref: Fig 210]
- d) The time dilation is observed only due to unevenness in the Sp-ti continuum. Means, the nature is showing us that delay in time due to such variations does not affect the estimated time for a constant speed in anyway and it must be accounted in terms of time dilation. So, it is understood for the mutual reasons and there is no point to think of further significance that slowing down of clock has a possibility to move back and forth in time.

9. CONCLUSION

There were theoretical attempts made to solve the incompatibility between general relativity and quantum mechanics such as string theory and theory of loop quantum gravity. However, they could not connect the endless roots of physics and the reason behind it is, due to the lack of real dimensions, which are newly discovered and tabulated in our published articles. Finally in this paper, we have solved the contradiction between classical and modern physics in terms of gravitation also. Quantum gravity-orbit model (Fig 207) is the basic for functioning of Gravitation-Orbitation at macro scale.

The conventional atomic model is appropriate, despite of electrons jumping from orbit to orbit, the revolving speed and also their super-position nature altogether in reality could make it appear like a cloud formation. The representation of orbital paths of electron around the nucleus shown as concentric circles, in our conventional studies is sufficient to understand the reality in a simple format.

Same way, the study of Singularity contains numerous representations to reach to the ultimate knowledge (oneness) of space-time. Heading towards nothing, explanations would be shrinking instead of building and obviously it cannot not be briefed in an open conference meet or have a Q& A interacting session with audience or even lectured for students with clear cut drawings. There is no public road could be constructed in space-time for people to walk through it, no sequences, no equations and derivations for step by step understanding too. The later explanation could be absolutely different from the previous one even though it is gone through immediate next steps. So, every individual has no option except to somehow self-realize the real dimensions, which are curled up, invisible and even extended beyond quantum scale. At least, it is required to remember those dimensions to apply at every point, to understand all of the diagrammatic representations discussed in our papers. With these basic criteria taken into concern, hope the new proposed theory of Singularity would serve the fundamental study of space-time.

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APPENDIX

Table of real dimensions and their kinds - Summarized					
S. No. (D)	Measurements	Aspect	Position of Sp-ti O	Perspective	Plane
0D	Space-time	Space-time	Singularity	-	-
1D	Length	Minute	Core	One-eye (Singular)	Physical
2D	Width	Deep	Base	Human Conscious (Dual)	Meta-physical
3D	Height	Wide	Boundary	-	Spiritual
4D (a)	Surface radius	Gravitation (rope)	Singularity (Distributed)	-	-
4D (b)	Deep radius	Orbitation (belt)		-	-

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Prabhakaran Natesan, Tamil Nadu, India. [prabhakar3112@gmail.com] Bachelor’s degree in Electrical and Electronics Engineering (2011) – Affiliated to Anna University, Chennai. Hope the “Fundamental Theory of Singularity” formulated so far would be useful for education of mankind. This new study is more fundamental than Theory of Relativity(Duality) and it actually acknowledges the concept of relativity by clearly showing its limitations. A concept shall not be simply criticized but must be analyzed from all the directions to find its start and end points rather. And then move on to solve it with more fundamental ideas possibly in a complete manner without flaws such that the new work contains the previous one. Honestly, without the true observations such as Length contraction and Time Dilation with speed of light, it is impossible to formulate the study of singularity. Even if it is proposed, nobody can understand the purpose of the study with such importance and connectivity. So, ideas of the former people lived in this world always remained as the stepping stones, determined and carved in time... Thank you.

Citation: Prabhakaran Natesan. "Fundamental Theory of Singularity (FTS); Formulated Study - 3" *International Journal of Advanced Research in Physical Science (IJARPS)*, Vol 11, issue 01, pp. 1-14., 2024.

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