

Fundamental study of space-time - Zero, One and Infinity

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Abstract: The fundamental study of space-time begins with how to assume space-time from human point of view. Human vision to see the life, has the design of a cone that moves from moment to moment in time along with perception through sense of sight mainly. This conical view, whether pertaining to human eye sight or it indicates the depth of space-time is inseparable. Human, as soon as he opens his eyes with his conscious, life is said to exist to him. If human conscious is not there for observation, who remains to see the existence is the question that even if we don't wake up early in the morning, the sun rises, even if we don't watch, the flowers bloom. There was also a time that nature evolved and existed when there was no mankind. Forests, oceans, plains, mountains, rivers, insects, reptiles, birds, animals etc., lived on earth without human intervention. Who have an eye on all these things to happen? The answer is, the whole existence of space-time itself is an eye (singular) that the life in it with all the objects is every single part (point) of it. This journal contains some basics for the theory of everything. To formulate a complete study of life science demands a lot of knowledge, in all aspects of life. Here, let us see the positions of the values zero, one and infinity along with real dimensions of space-time.

Key points:

- (i) Space-time is simply a depth in any direction to human vision (sight as well as perspective), is the basic of all other assumptions. Two kinds of depth to be discussed in this paper.
- (ii) The whole existence is well within the values zero, one and infinity such that the start and end points of life are same in terms of source and destination in space-time.
- (iii) The key idea of understanding life science is to find duality in every object in the existence and keep on integrating it towards singularity. Means duality differentiates science and build up with more dualities.
- (iv) According to modern science, creation is the start point and destruction is the end for all the objects including human and other living beings. But this is just a cycle in between source and destination of space-time called Sp-ti 0, an ever-existing god nature.

Keywords: Singularity, Dualities, Absolute zero, Binary zero, Binary one, Reference zero, Infinity bond, Infinity flow, Male-Female dark energies, Sp-ti picture frames, Space contraction (Length contraction), Time reduction (Time dilation), synchronized clocks, Sp-ti scale, Telescopic cone, microscopic cone etc.

1. INTRODUCTION

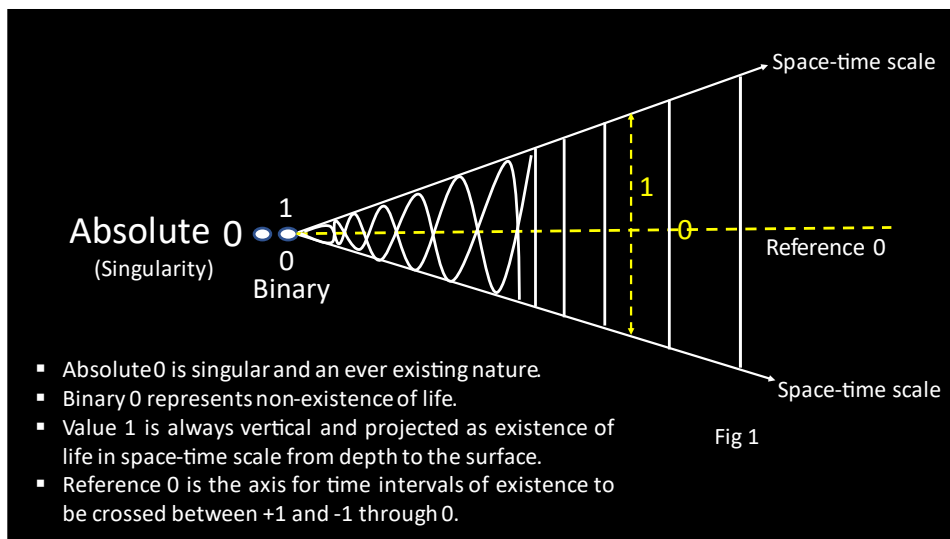
- When it comes to fundamentals of space science, it is inevitable that mathematical values also evolve along with real dimensions. So, it is necessary to mark the positions of the basic values zero, one and infinity in space-time. It is possible to explain life science only with the values 0,1 and maximum 2, as these numbers represent singularity and duality. Any scientific concept would fall within these two terms, without complexity. In this paper, we will understand the importance of infinity also, whose explanations are new for studies. Let us see how these simple values take positions to construct, hold and destruct the existence as a closed loop system. However, mathematical values exist, as long as geometrical behavior of space-time is considered. Space-time also considers, the life to exist through these values in the same way. So, this is also a duality such that numbers along with geometry is in between human perspective and raw nature of space-time.

We will refer to the above table of new discovered dimensions of space-time discussed so far. Links available in reference section for all the published papers in current (2023) and past (2022) issues and this paper containing basic notes associated with them. Gravitation is discovered and explained with new drawings, part-1 (Issue 01) is published and part – 2 (Issue 02) to be continued as the following

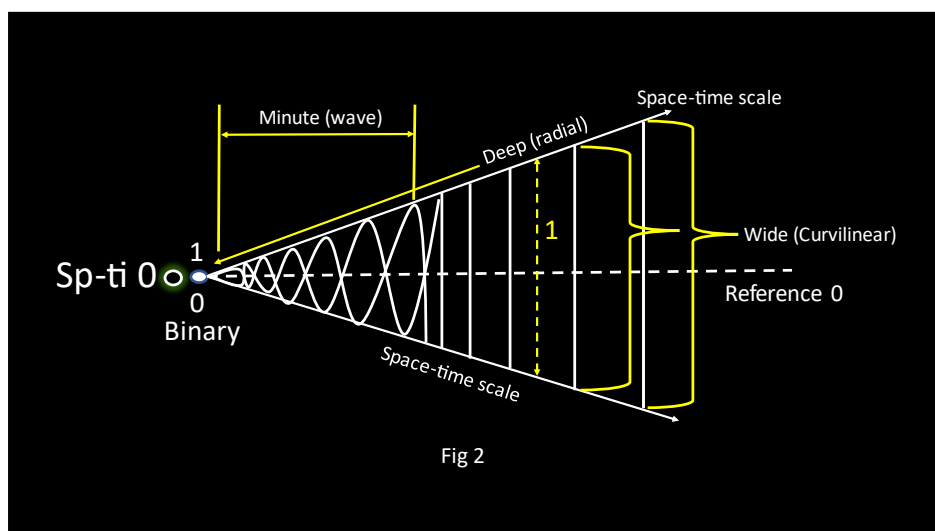
paper. This study is new for science & education and gravitation is shown from macro-objects to quantum objects (particle) and even beyond these, to touch the bed of space-time like where it begins and where it ends at point (quantum) level. It is a complete study. Here, let us understand the positions of basic mathematical values of space-time.

Table of new discovered dimensions in space science			
S. No.	Real Dimensions of space-time (In terms of Aspects)	Path / Nature	Object oriented dimensions in space-time (In terms of Measurements)
1	Wide	Curvilinear	Length L (Wide)
			Width W (Wide)
			Height H (Wide)
			Radius R (Wide)
2	Deep	Radial	Deep Radius rd (Deep)
3	Minute	Oscillation	Waveform (Minute)

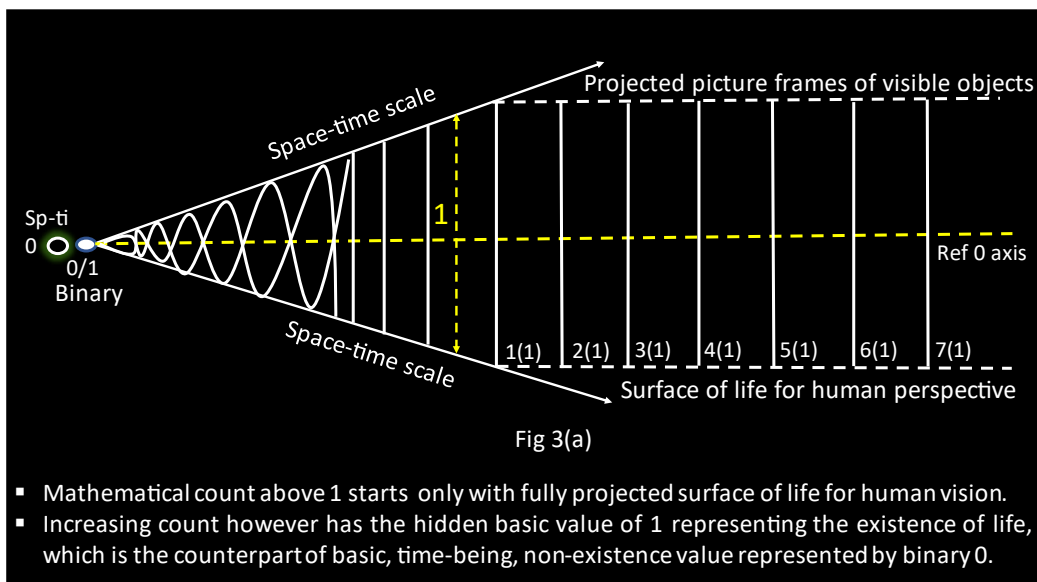
2. VALUE ZERO AT VARIOUS LEVELS OF SP-TI



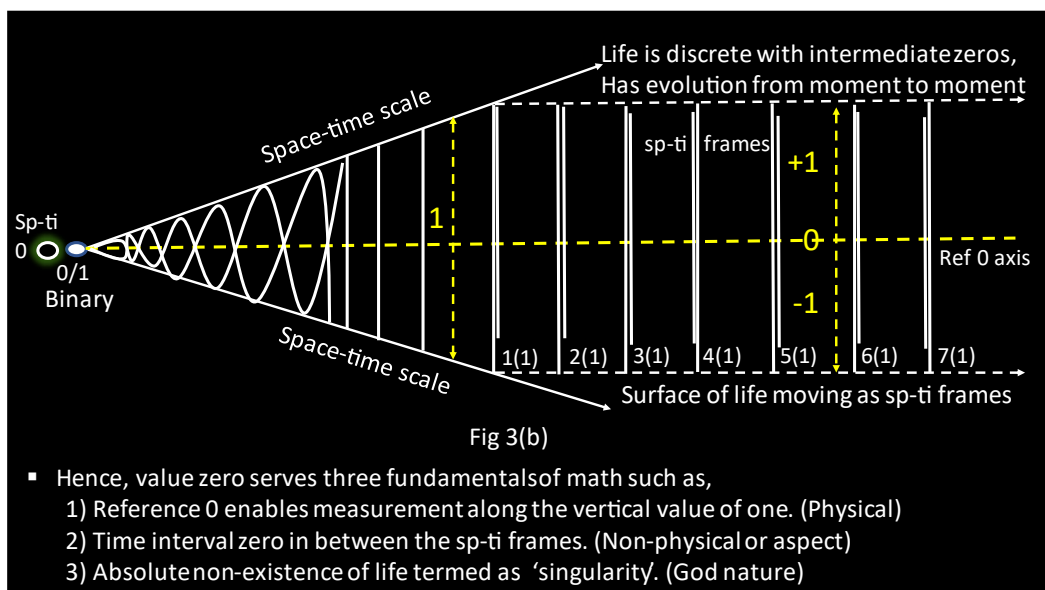
2.1 Description of Values Along with Real Dimensions



2.2 Analysis of Zero And one in Space-Time



2.3 Impact of Time Factor in Space-Time



3. RELATION OF ZERO, ONE AND INFINITY IN SPACE-TIME

VALUES - ZERO (0), ONE (1) AND INFINITY (∞) IN SPACE-TIME

Existing math,

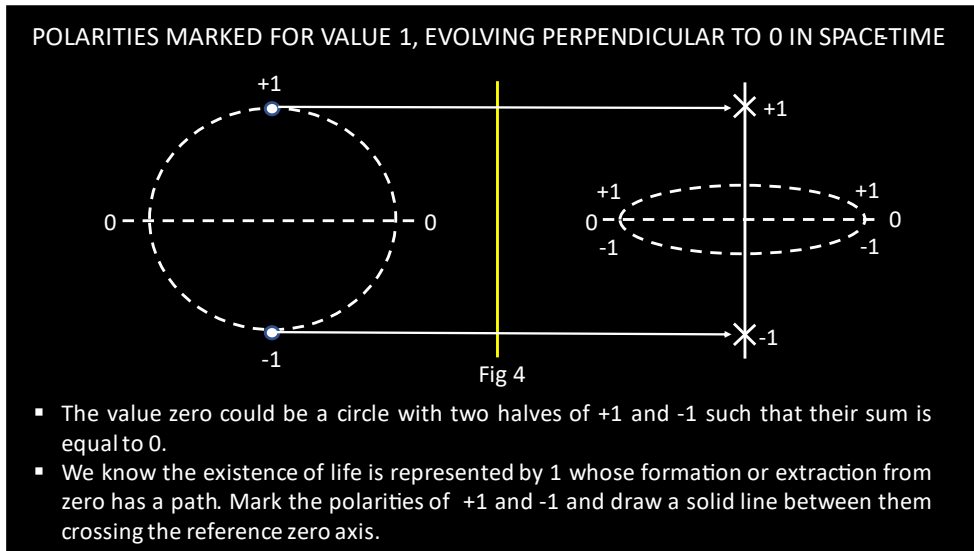
$$\frac{1}{0} = \infty$$

$$1 = \infty \times 0$$

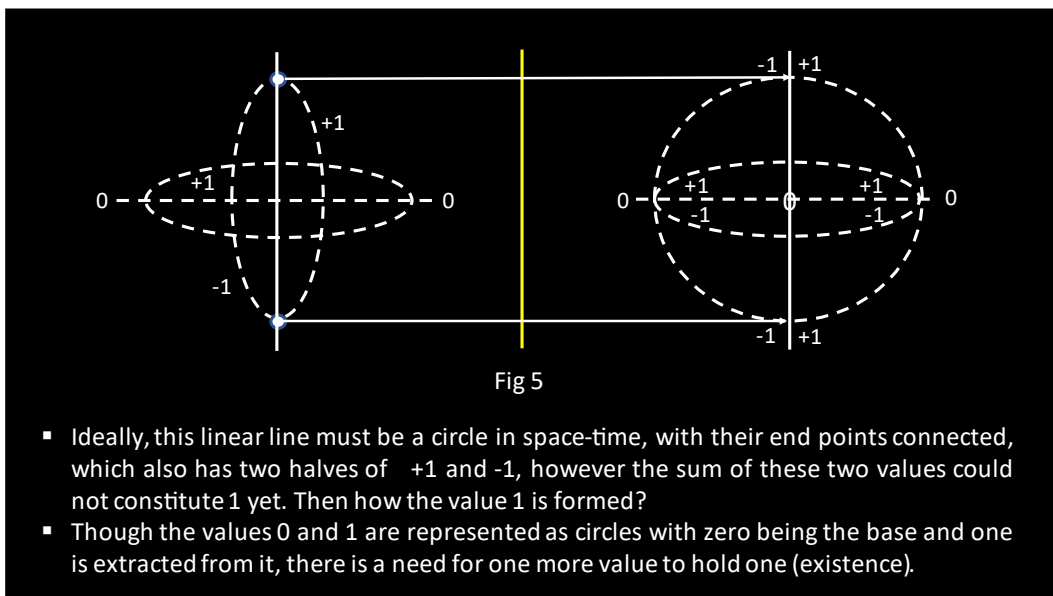
$$1 = 0$$

- The value 1 divided by 0 is equal to infinity.
- So, 1 is equal to infinity multiplied by zero which in turn is equal to zero again.
- Now, how come 1 is equal to zero is the mystery in mathematics.
- The above problem could be diagrammatically solved with real dimensions of space-time.

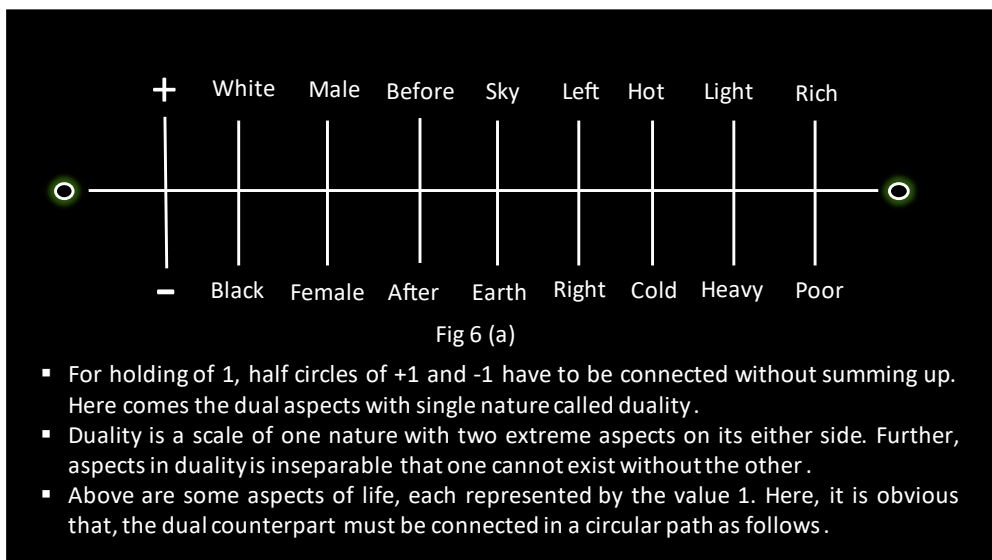
3.1 Polarities Marked for Value 1, Evolving Perpendicular to 0 in Spacetime



3.2 Value One Evolving from Zero in Space-Time



(In reality, 1 is surrounded by 0s multi-dimensionally and it has to evolve like chick that comes out of its egg, a seed that germinates by breaking its shell.)



3.3 Linear Scale of Dual Objects into Circular Path

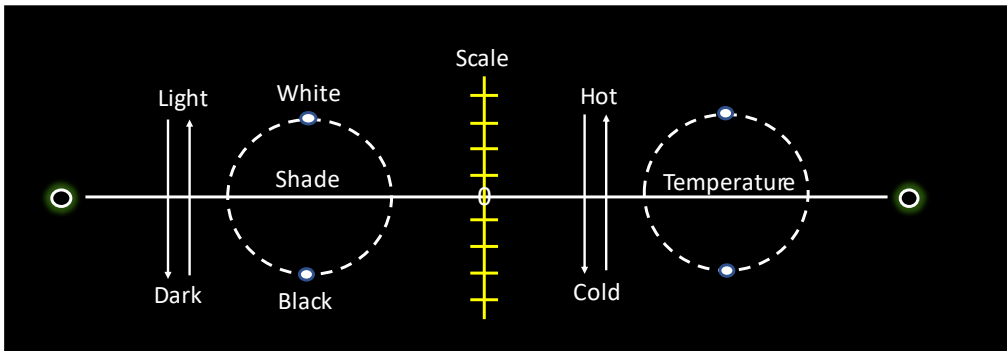


Fig 6 (b)

- We could see in the above picture that each one has a duality of two extremes with singularity of its one nature which is represented by a circle.
- Duality of one nature is like, Male-Female is human, White-black is color/shade, left-right is direction, light-heavy is weight, before-after is time, Positive-Negative is Electric charge etc.

3.4 Duality of Male-Female Dark Energies in Sp-Ti

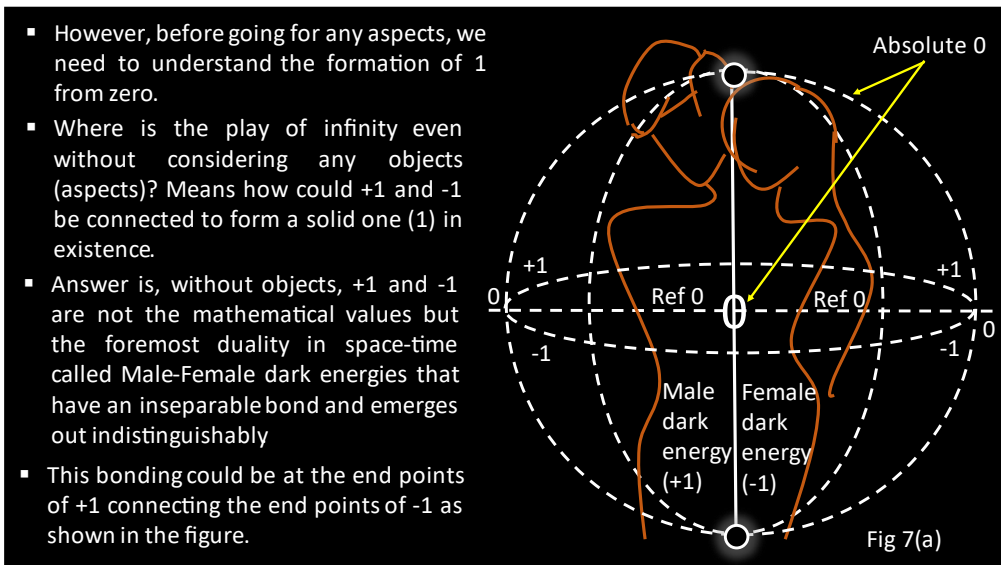


Fig 7(a)

- However, before going for any aspects, we need to understand the formation of 1 from zero.
- Where is the play of infinity even without considering any objects (aspects)? Means how could +1 and -1 be connected to form a solid one (1) in existence.
- Answer is, without objects, +1 and -1 are not the mathematical values but the foremost duality in space-time called Male-Female dark energies that have an inseparable bond and emerges out indistinguishably
- This bonding could be at the end points of +1 connecting the end points of -1 as shown in the figure.

Note: +1 and -1 shown here are more fundamental than elementary particles such as bosons and fermions. It represents the non-physical dual aspects of dark energy.

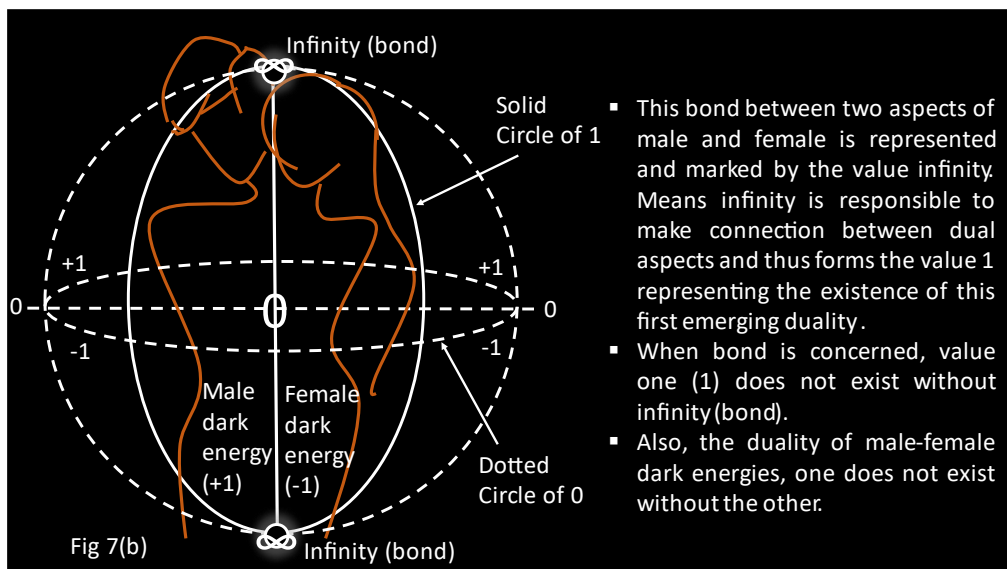


Fig 7(b)

- This bond between two aspects of male and female is represented and marked by the value infinity. Means infinity is responsible to make connection between dual aspects and thus forms the value 1 representing the existence of this first emerging duality.
- When bond is concerned, value one (1) does not exist without infinity (bond).
- Also, the duality of male-female dark energies, one does not exist without the other.

4. HUMAN PERSPECTIVE TOWARDS & AWAY FROM SINGULARITY

- There is a point to be noted with the condition of whether it is towards singularity (everything to be integrated) or away from singularity (everything is differentiated).

$$1 = 0$$

(With the condition towards singularity by eliminating infinity)

- Now, only moving away from singularity, the value 1 could build with increasing counts like 2, 3 and 4 and so on, along with dualities.
- When the dualities and count increases from one, there arises a question of even the dual objects could appear linearly from zero like positively charged ions to exist without having to loop with its dual counterpart. Then what is the significance of infinity (bond) anymore?

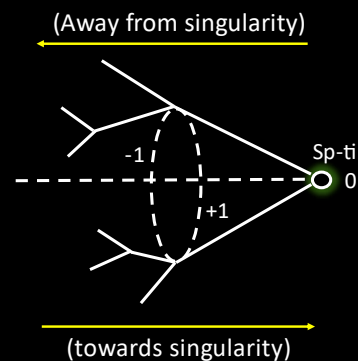
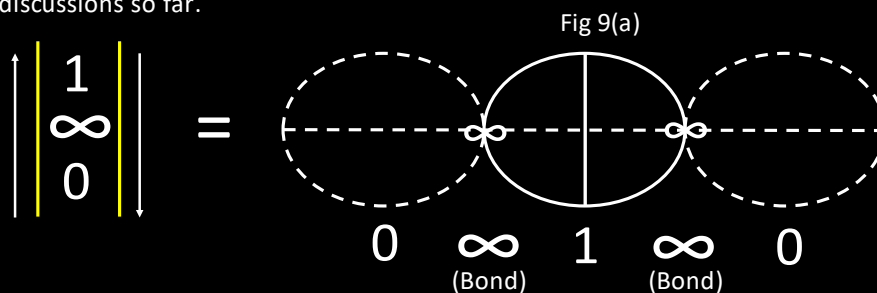


Fig 8

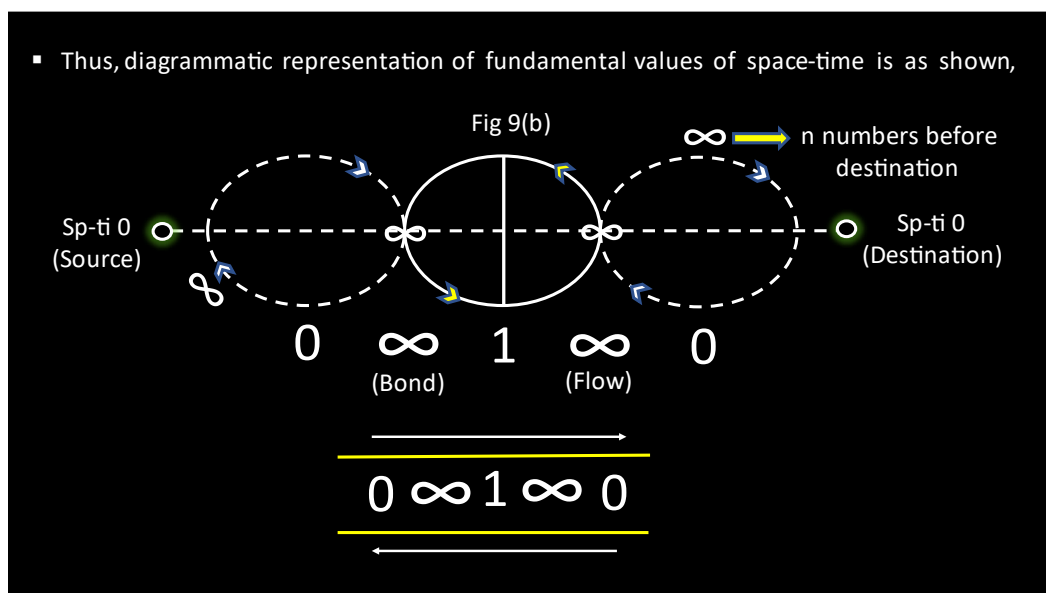
4.1 Diagrammatic Representation Of 0, 1 And Infinity

- Moreover, even without the dual counterpart, elements of different kinds make bonding in space-time. Then this type of connection is external, whereas infinity bonds for +1 and 1 internally.
- Answer is, duality need not be objects of same kind as it is said, it is building life away from singularity for vast different kinds of objects to evolve on combinations. However, it is still built on and on with dualities only. Means the whole existence could be explained with the values 0, 1 and maximum 2.
- Now, let us see the diagrammatic representation of the values 0, 1 and infinity with the discussions so far.

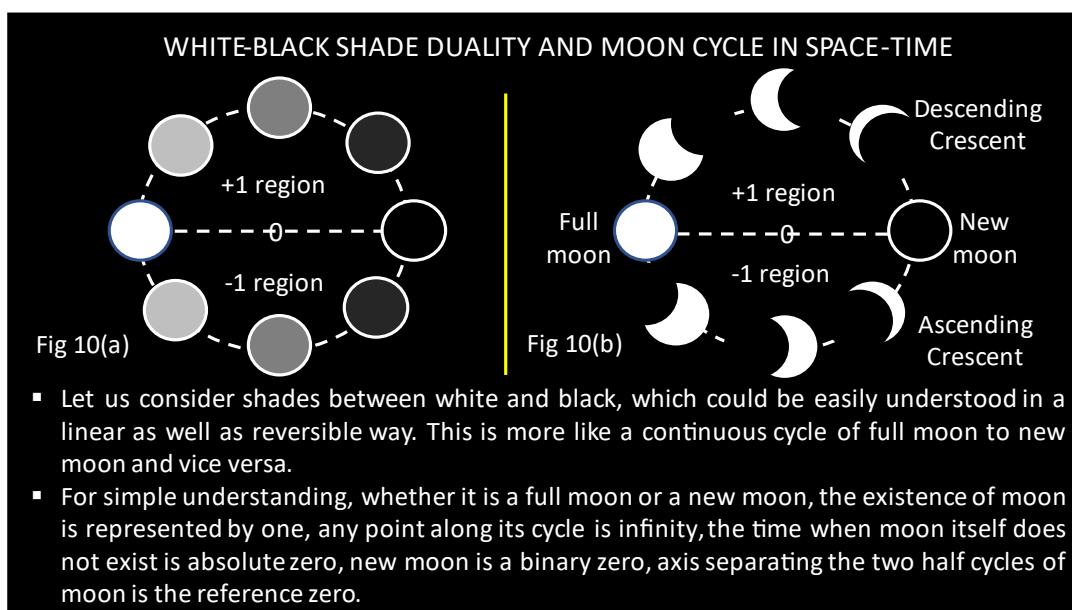


- The zeros on either side of one(1) here, linearly represents the source and destination of space-time (Sp-ti 0). In reality zeros must be surrounding the value 1, multi-dimensionally. And one is said to be evolving from core or source zero which is supposed to be the destination zero as well.
- Back to the point, what is the position of infinity when the objects makes external bonding, leaving the infinity(bond) to be internal and unutilized. For example, the positively charged ions makes bonding with negatively charged ions externally. In that case life is said to be flowing outwards with the dualities.
- Now, this flow is again could be represented with the same value of infinity. Means infinity serves a dual nature of fundamental M-F dark energy bonding (internal flow) and also bonds the dualities of life (external flow).
- Also this infinity could be the numbers after one, i.e. life starting to move in space-time. Bond-flow is also a duality, means flow from one aspect to other (dual) could hold the 'bond' or bond is making the path through end points of dual aspects for a 'flow'.

- Thus, diagrammatic representation of fundamental values of space-time is as shown,



4.2 Understanding Absolute, Binary and Reference Zeros



- Now, we shall clarify more about the duality of bond & flow. Bond is something static whereas flow is kind of motion. Here, Male-Female dark energy bond itself has 'energy' which is a flowing aspect. In fact, these energies make the flow of life in existence both internally and externally.
- These dark energies are invisible, inaccessible and it is associated with fourth dimension. However, energies flow deeply through three real dimensions such as wide, deep and minute of space-time externally. And the flow is said to be internal in fourth dimension.
- So, the M-F dark energies fill the whole existence and flows through all the dualities of nature. Also, it is present in every object of nature at its core. How the energies will tend to flow when it is tight close as a bond? Even though it is an energy, where is the space for internal flow? As a bond, M-F dark energies has a torque to spin about its axis in nature.
- Purpose of all the evolved objects including humans, in search of something externally has directions, flow, willingness and desire. However, it is actually the inner nature to be found (realized), which is already present in each one of them.

5. LENGTH CONTRACTION AND TIME DILATION IN REALITY

DIFFERENCE BETWEEN HUMAN PERSPECTIVE TOWARDS AND AWAY FROM SINGULARITY

① Estimated length
Contracted length
(Formula for measuring L.C)

② Estimated time
Dilated time
(Formula for calculating T.D)

Away from singularity

Space | Time

L.C | T.D

Singular ①

(No formula in reality)

Towards singularity

- For instance, in the experimentation of speed of light, Length contraction and time dilation are observed towards singularity, which led to the conclusion of space-time to be a single entity, but it is interpreted and explained away from singularity that the above said factors are two different kinds with a purpose for each.
- Travelling at the speed of light to the destination is almost instantaneous with length contraction, as it is approaching time zero. And the dilation in time have the possibility of travelling back and forth in time. Which is a major misunderstanding in existing studies.

5.1 How to Analyze Synchronized Clocks in Sp-Ti

SYNCHRONIZED CLOCKS B/W EARTH AND SATELLITE REVOLVING AROUND EARTH?

- Let the time difference between the satellite clock and the ground clock be $(10 - 8) = 2$ secs, an observation made over a period of time once after synchronization
- This change in time value led scientists to conclude the possibility of time travel and relativity theory to be true. As discussed earlier it is (misinterpreted) away from singularity.

Diagrammatic solution

Space

Time

Fig 11(a)

Space → Length → Meter (1m = 100 cm)

Time → Clock → Minute (1 min = 60 secs)

Fig 11(b)

5.2 Space-Time Scale Towards Singularity

MEASUREMENT OF CLOCK-TIME AND METER-TAPE TO BE LINEAR AND SAME

- Now, these measurements for length in meters (measuring tape) and time in minutes (clock) is designed for human convenience. Let the measurement be linear and common for both the units as shown below.
- The clock is opened with nano, micro, milli secs and so on matching with meter tape with nano, micro, milli meter and so on respectively without considering for meter or minutes but just have one to one count to each other as corresponding scale.

Space (Length) nm μm mm cm m km

Time (Clock) ns μs ms sec min Hr

Object moving in space-time

Fig 11(c)

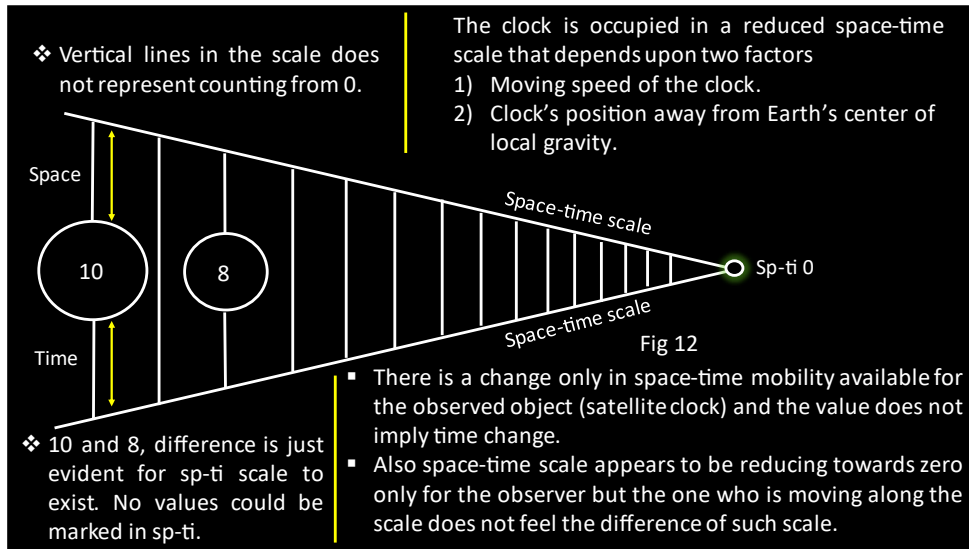
Observed time difference could be marked just as values towards singularity

12 11 10 9 8 7 6 5 4 3 2 1 0

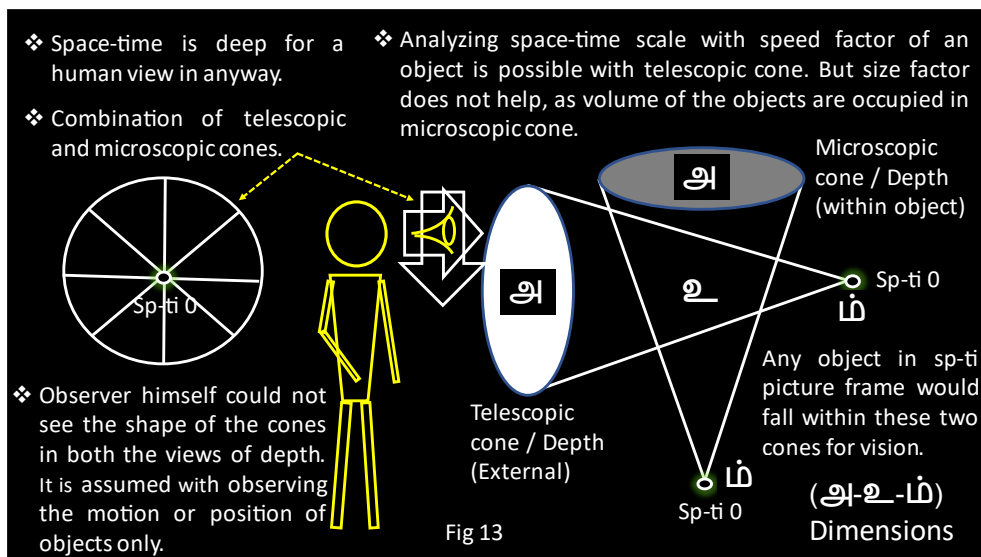
Satellite clock
Earth clock ~ 2 units

Fig 11(d)

6. SPACE CONTRACTION AND TIME REDUCTION OF SP-TI SCALE

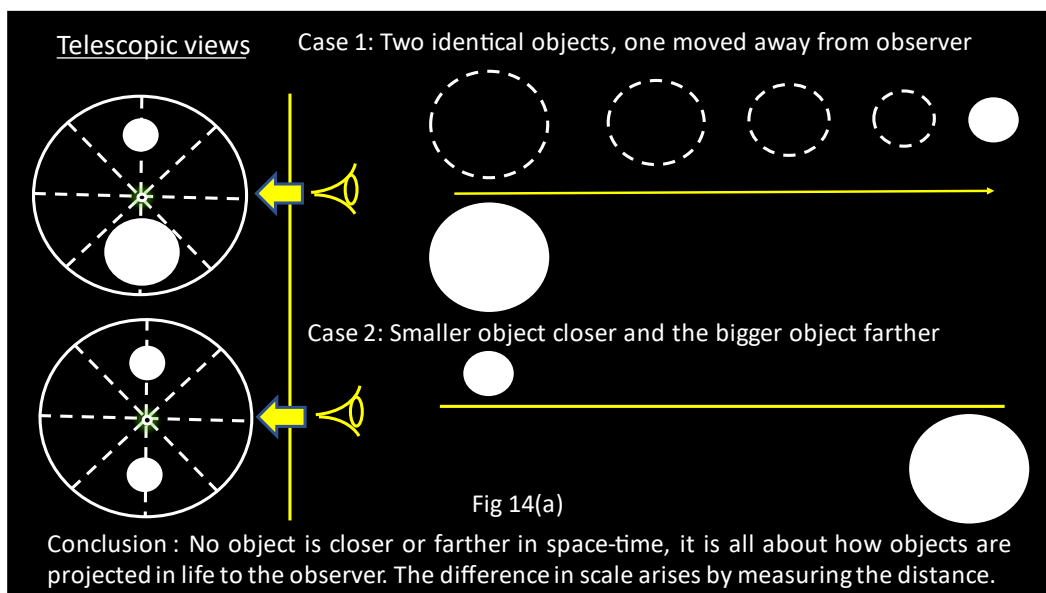


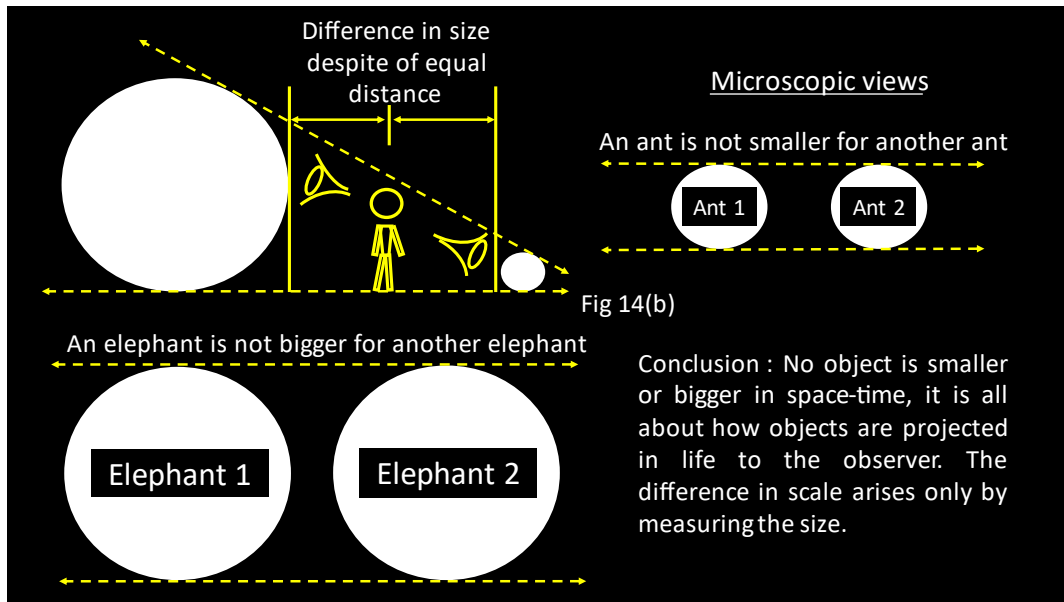
6.1 Telescopic and Microscopic Cones



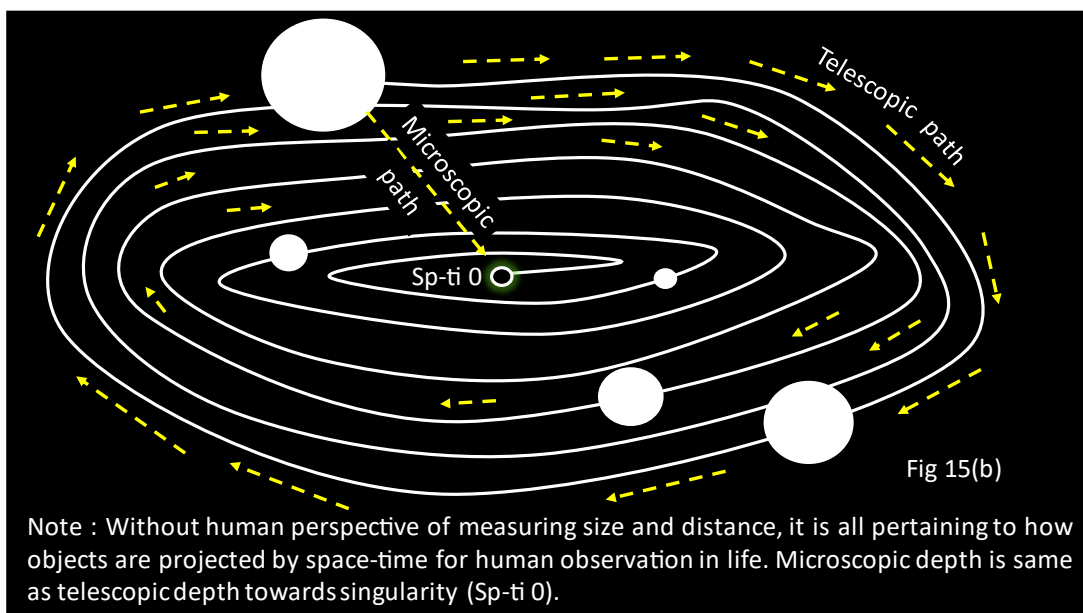
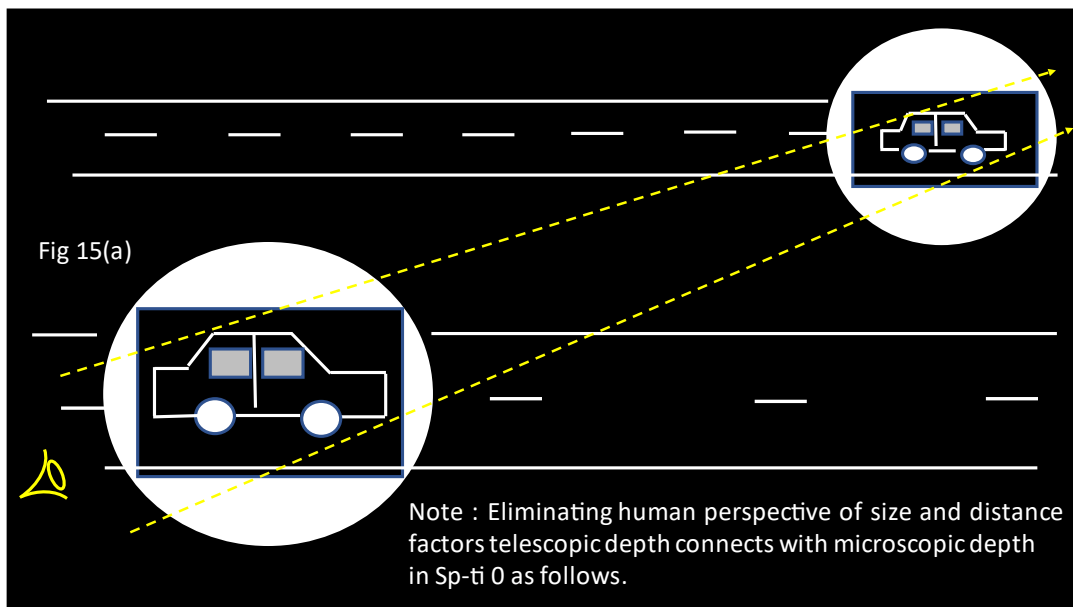
[Note: Telescopic-microscopic depth is also a duality in space-time]

6.2 Telescopic and Microscopic Views in Reality

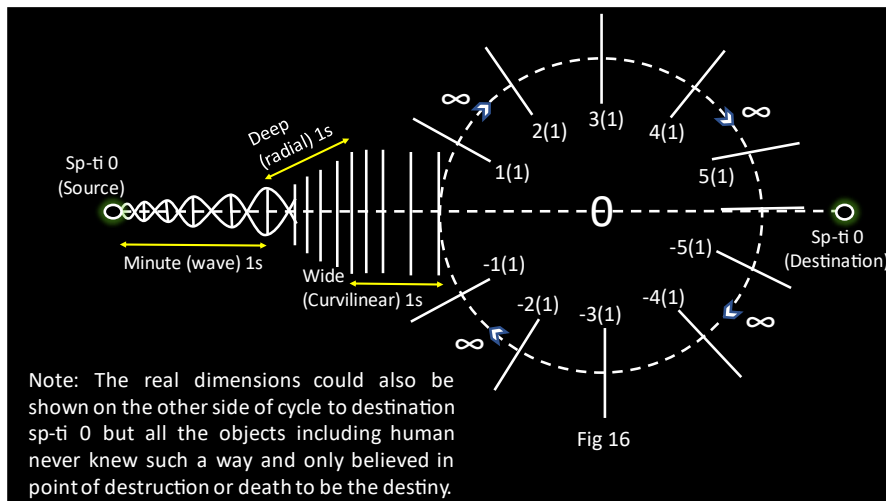




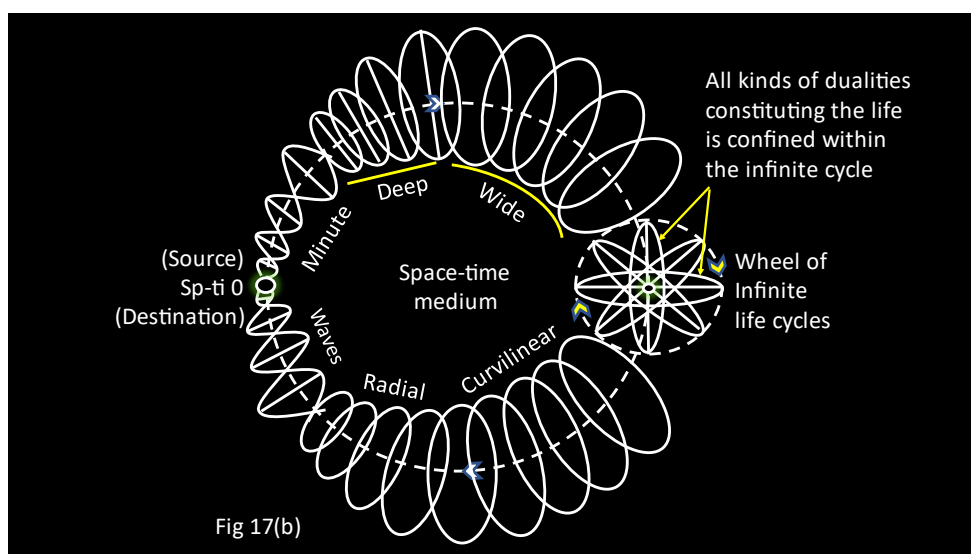
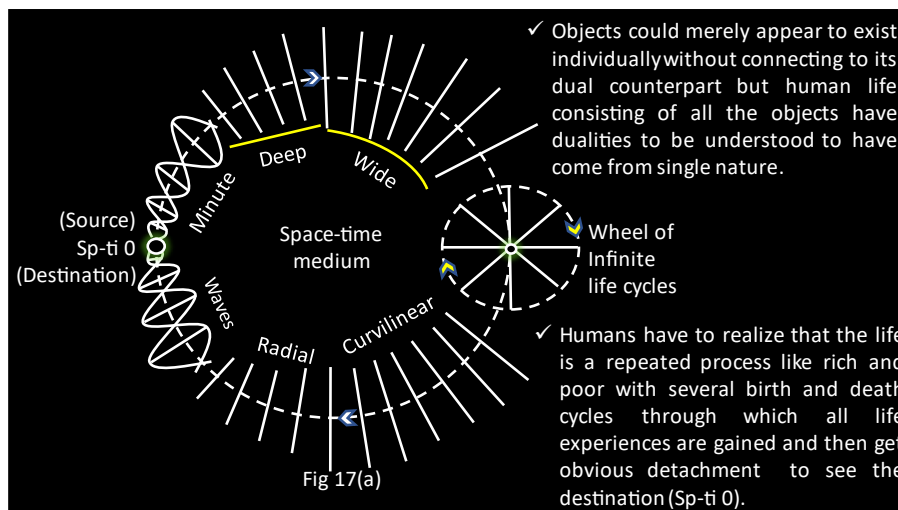
6.3 How Telescopic Depth Meets with Microscopic Depth?



7. VALUES 0, 1 AND INFINITY WITH REAL DIMENSIONS OF SP-TI



7.1 Life Cycle of Existence in Space-Time Medium



7.2 General discussion

Philosophy of space-time:

- 1) The fundamental study of space-time is philosophical as it includes not only science but all aspects of life and science itself is an inseparable duality of arts. The truth is human social life is the most important resource of understanding the science of whole existence.

- 2) A complete cycle of human life could explain all the techniques of science, for example stable octet structure of an atom achieved through sharing of valence electrons, some being donors and some receivers are same as people's relationships of giving and taking.
- 3) Marriage bond between the couples does not actually imply the feel of love or affection for each other but the physical sense itself, which is absolutely same as the quantum bonding, quantum entanglement between the particles, where change in one particle instantaneously known by its pair, despite of being separated by large distances or distance not being a factor at all. Thus, culture of bonded relationship represents ultimate nature of space-time.
- 4) But the quantum bonding of human is at the verge of extinction, that future generations would wonder how people lived with certain culture that husband and wife were like two bodies with single soul, which is same as two particles in single quantum state.

Note: Quantum bonding could be like any kind of relationship, but it is the greatest bonding over others like covalent or ionic bonding in nature.

- 5) Other kinds of bonding also routed in fourth dimension but its connection could be externally observed whereas quantum bonding means zero distance. When there is no distance, where is the point of speed factor between the two objects? Communication here is infinite as it is an internal flow, which is only through fourth dimension.
- 6) Now, if material science is same as the human life, is it possible to compare cultural degradation of people with science? How is it reflected? Yes. It is nothing but the modern quantum computing. It is an obvious criterion to distract the two entangled particles by introducing a factor that would crack the bonding with a small gap, to control the speed of communication between them externally. Means a troubleshoot in the quantum computer is the two entangled particles regaining their bonding which is supposed to have crack with gap always, for the third element (humans) to interfere for computations.
- 7) The criterion also includes, the gap made between the entangled particles shall not be exceeded beyond certain limits. If the bond breaks, then no benefits could be drawn. This is same as third person utilizing (computing) a bonded relationship of two people for benefits, by holding them without full separation and full connection as well.
- 8) All the dualities of human indicate only one point that a man is always in a position along the wheel of life that has opposite faces. This wheel is in a continuous circular motion and thus, position of human also keep changing (increasing or decreasing) constantly reaching the peak points of up (max) and down (min) alternately. Even pleasure and pain are not two different kinds but two extreme feelings of the same sense in a scale.
- 9) The people, every one of them thinks, life to be linear that a rich person has reached an irreversible height. But the truth is, it is just a position for time being in the money-wheel of life. With several cycles of birth and death in social life alone, a man gains all kind of experiences of begging situation to king / queen like living without fail.
- 10) Same way - beauty-ugly, love-hatred, employer-employee, giving-taking, borrower-lender, Owner-tenant, murderer-victim, betrayer-victim, stealer-victim, tall-short, fair-dark, wealth-poverty, strong-weak, good-bad etc., are cyclic in human life. A man shall not blindly believe of being constant with one of the two aspects in life forever.
- 11) In simple terms, one could not borrow money in millions, spend it all and commit suicide to close the accounts without repaying it. And so, a stolen money will not settle the life of a person who have even crossed the borders of the country with it, to lead a happy desired life. Life is not whatever man thinks, scientifically it is designed only between cause and consequence, irrespective of whatever religion a person belongs to.
- 12) For instance, the person who had lend money is physically so weak that the borrower keeps stubborn not to repay it, knowing the lender's poor capacity. This dodged money is accounted in fourth dimension that these two persons have a relationship in another life say Father-son. The son (lent one) now spends his father's (Borrowed one) money as he wishes. This time, the father is blind to

pay back the money without regret, in terms of love and affection for his son. No wonder if this debt includes the interest rates also.

- 13) Birth and death cycles of human life is mainly based on the actions that has the duality of cause and consequence. Even an entire life of a person (say) 70 years, could stack all his deeds in terms of causes and lead to a consequential next life of facing the results alone without able to remember the previous lives and could not understand, based on what reasons such things are happening in their present life. The theory of everything could not be formulated just with subjects like physics, mathematics and biology. It requires all aspects of life, complete explanations associated with body, mind and soul. A self-realized object (Human) is one (1) absolute unit of the whole existence in space-time.
- 14) The term infinity represents the flow of life with beginningless and endless cycles and it exists as long as value one exists. This leaves us with puzzles such as, “which came first? egg or hen”, here only the condition to be considered, where egg and hen are solved in 1. The infinity flow is external through three real dimensions such as wide, deep and minute whereas the bond i.e., internal flow of life is not a revealed part (fourth dimension) in space-time and hence unknown (behind & beyond mind) for human perspective range.

Important note: Anti-matter is a duality of matter which is unknown in existing studies, whose explanations are simply unbelievable and its existence is associated with fourth dimension, could be explained. However, illustration of anti-matter is better understood with human life as discussed in the above points than its emergence from the point of creation, where it is annihilated by meeting with its matter (dual counterpart) in a short while. Anti-matter in space-time is a possible complicated subject yet, it could be formulated for studies. Here, Anti-matter also could be represented by value 1(existence), but it is a dual counterpart of matter, to be noted.

8. CONCLUSION

Fourth dimension is a live science working as a self-mechanism at the background of life. If humans could understand the hidden part of the cyclic flow in all the aspects of life, then scriptures, rituals, conventional and foolproof beliefs, scientific technology like artificial intelligence and even philosophies of life are just trash. Humans could experience the flow of life without a need for different self-identities (I, you and he/she/it), is the ultimate purpose of existence to teach mankind. Human shall not destroy nature and choose a path to alienate mankind away from nature by developing man-like machines. Instead, there are numerous techniques in life as source of wisdom (true knowledge) to nurture one's self-awareness towards singularity (God nature), which is a blissful and soul emancipating experience in space-time.

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AUTHOR'S BIOGRAPHY



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This journal is a supporting document with basic assumptions, ideas, drawings and explanations to summarize the real dimensions of space-time discussed so far. With self-discovery, I publish my original research work (Fundamental drawings) of “Fourth dimension of space-time – The complete study of gravitation (Part 1 & 2)”.

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