



# Absolute time, time dilation and three dimensions with pyramid model of universe through theory of stability and law of universal neutrality

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## ABSTRACT

*The science and technology with every fraction of time heading the humankind towards the future with a great speed but can this speed will make us to travel with the speed of light and will possibly allow us to enter the future before time allows it? Continuing to my previous article on origin of universe and life with the theory of stability and law of universal neutrality I wanted to explain the laws of universe with the impact of absolute time which i believe is the 3<sup>rd</sup> dimension as well as the most fundamental law of our universe which constantly restrict the possibility of time travel to our past and the future. The mystery of time travel to past or future might get left behind if we understand that the time is absolute. I have tried to fill the gap between the quantum mechanics and the classical physics with the fundamental forces (ISF & OSF) and laws of universal neutrality and the theory of stability. I believe the details in this article provide the reasonable outputs to many mysterious questions of all time. With the help of this article and its all-proposed laws will make it easier for science and mankind to understand the fundamental laws of this universe and also to be closer to our universe.*

**Keywords:** Fundamental forces, Absolute time, Time travel, 3 Fundamental Dimensions, Pyramid-model of universe, Golden ratio, Inertia.

## 1. INTRODUCTION

As we live in 3-dimension world, but how does these 3 dimensions come to existence? Without knowing the origin and functioning of the 3 fundamental dimensions of our universe how can we claim to understand this universe perfectly, so understanding how the fundamental forces (ISF & OSF) that governs the universe are related to these 3 fundamental dimensions, to the golden ratio and how they can govern the laws in quantum as well as the cosmic world is important.

As it seems like we have two worlds in this universe one quantum world and another cosmic world and they are governed by different sets of laws and rules. But as the universe does not bother about the perspective of human being, so if we the human being with our own perspective found any kind of differences in the laws of universe it does not means that the universe in intentionally changing the rules for any differences, as universe itself is governed by some fundamental laws, we can clearly state that the universe don't have authority to apply different rule for quantum and the cosmic world, they both surely be govern by some fixed fundamental laws of universe which I have tried to clear out below.

## 2. CLASSICAL PHYSICS AND THE UNIVERSE

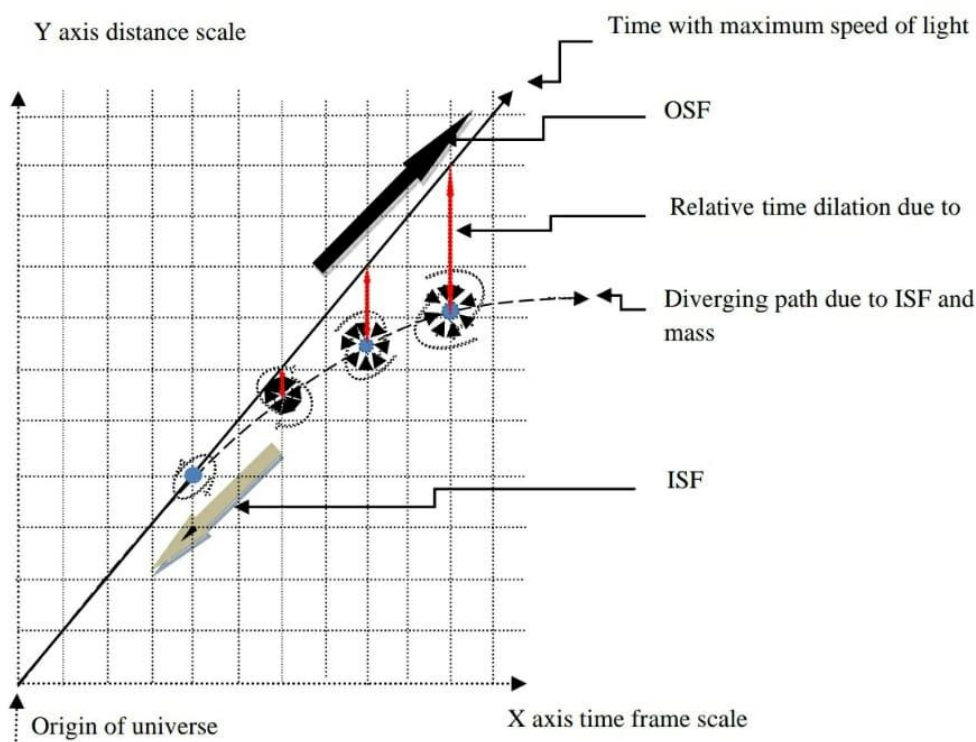
if we look at the universe and observe, on one hand there is profound chaos everywhere with different structure and the different laws, but on other hand it also looks working so fine and perfectly as if all and everything is preplanned, predestined and following some fixed laws, then question arises who govern this universe and how can be something non living thing works so perfectly by its own?

### Chaos and the perfection in the universe

Sorry for the weird example but Imagine A person who is blind, deaf and dumb having some well arranged deck of cards in his hand and by mistake, if they got spoiled all over the floor and now he needs them to rearrange back as it was like previous. Sounds difficult? Now if we relocate to the biggest football ground and increase the number of cards to million and trillions, then it becomes much more difficult to rearrange those cards back, Isn't it? If he compulsory needs them back to rearrange properly then only the option that left behind for the person is the trial and error, and the thing only will always be in the background with him is the time. If that person is the one who spoiled it, only wants to rearrange it back and is only the one who can do it. Now imagine without the knowledge of expected favorable outcome how much hard work the person needs to do, so as to rearrange those cards only with the trial and error. No other option.

Our universe is facing exactly the same situation and it has no other options in this absolute time flow not other than the trial and error.

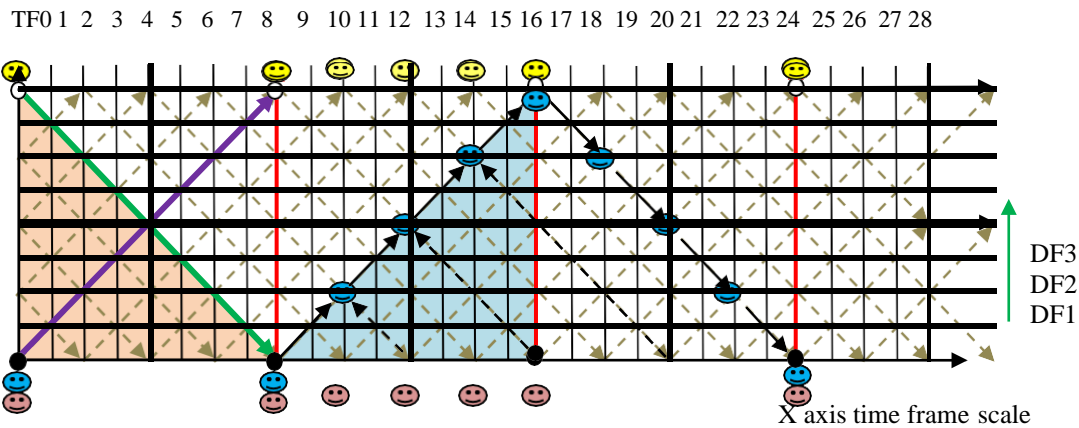
With the big bang universe came out with the byproducts like- The fundamental forces (OSF, ISF) and the Time. The fundamental forces that governing this universe and the continuous struggle in between these two forces further with mass and energy to maintain stability and to regain neutrality is indirectly responsible for the chaos and also the perfection we observe with time bound flow in this Universe. Basically we can say whatever happening anything, anywhere in this universe is always time bound. Maximum changes can be possible with maximum OSF on some light particles due to the proportional less amount of mass within some small fractional amount of time, But the changes happens with the proportional amount of big mass with maximum ISF will be different in the same small fractional amount of time. But if considering that the time is not absolute, will leads to relative observational error. That is why it is important to concede that the time is not relevant it is absolute.



**Graph 1: Origin of universe and time flow**

### Time, Space, Our Past, Present, Future and possibilities of the time travel

Time dilation is the reality of our universe and this concept gave rise to the new notion of time travel. If we try to understand this whole concept with the theory of stability and law of universal neutrality we can say that the light energy with OSF and no mass can use the maximum time flow speed but condition changes when ISF opposite to OSF produces the mass which indirectly prohibits using the maximum time flow speed and left behind the race with light. It doesn't means that time moves fast for the mass the mass actually just left behind in time flow. This is main reason behind the time dilation we observe. If we look at the universe with every time frame scale in graphical presentation (if time is absolute with every time frame scale -1 n sec /1micro sec /1sec/ 1 yr/ 1LY....etc.).



**Graph 2: Past, Present, Future and the time travel**

**Table-1: Abbreviation & images for reference**

TF0 - Time frame 1-2-3,(1ns,1s,1yr or 1Ly..etc)	DF1- Distance frame 1-2-3(1nm,1mm,km, etc)
→ X axis – time scale &Y axis distance scale	
→ Present for-----→	Person 1 & 2
→ Present for-----→	Person 3
→ Real present of universe (TF8 ,TF 16)	Planet A & Planet B
△ Past for Person 1 & 2	>>> Impossible to go past
△ Future for Person 1 & 2	>>> max future to run

### Explanation

Imagine two planets (A&B) on TF8, planet A having person no.1&2, planet B having person no.3. If both the planet and the persons on those planets moved forward with every time frame from TF0 to TF8, and they are looking at each other, but they are at 4 light yr distance from each other or both the particular planets can be conceder to be in past of each other as light coming from particular planets are 4 light yr distance so they must be looking at the past of each others, So the persons from planet A see the person 3(planet B) of time frame scale TF0 and the persons from planet B sees the person 1&2(planet A) of time frame scale TF0. If the person 1 from planet A on TF8 decided to go to future or the past & started to move with speed of light from planet A, with every fraction time frame scale he will and can only moves with maximum possible speed nearly to speed of light (As no matter can moves beyond the speed of light.) Within his journey with the every time frame he will always be in present with present time frame of universe shown in TF10, 12, 14, 16 etc. Imagine when the person 1 after the long journey of 4 light yr reached to planet B on TF16 at the same time person 3 from planet B will be in TF16 and even the person 2 from planet 1 will also be in same TF16 respectively. In this scenario if we check the universal point of view and the relative observation (relative point of view)-

**Person 1-** person 1 was trying to go to future but he just travelled throughout the journey in present time frame scale of universe and if he look at the planet A or person 2 he will be looking at the past of his own planet as if frozen (as no new light from the same planet A after he (person 1) just left the planet with speed of light can reach him).

**Person 2-** The person 1 has just travelled to the future because person 2 can't see the present or the future of person 1 but can see only his past of travelling (as the light coming to him is from consecutive light yr distance of person 1 travelling).

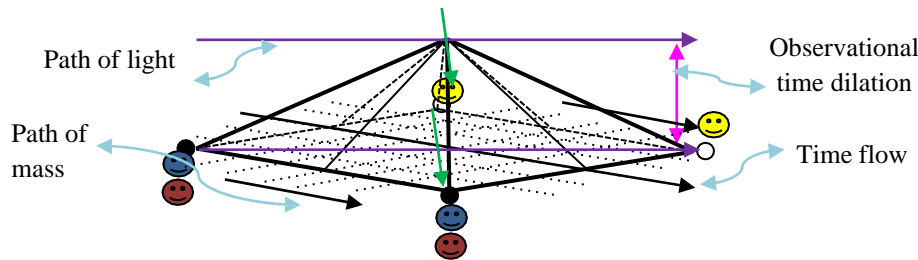
**Person 3 -** The person 1 reached to planet B in present with speed of light like time travel to future as he (person 3) can see the past of the planet A also.

**Universal point of view -** According to universal reality no person is in past, no one is in future no one has travelled to future or past. (UNIVERSAL LAWS)

- We only can be alive or can only breathe in present but can't ever see the present or future.
- We can see the past only (as we live in present, we believe the light from past as our present due to relative observational error)
- We can't even travel to past because we have to flow forward with every little fraction of time frame.
- We can't even travel to the future but as we have to flow forward with every fractional time frame unconditionally, we have the scope of speeding from present to future dimension of time flow within two consecutive present dimension frame and can affect the future as we do it like every day (with mass-which creates observational time dilation) and also can affect a lot if we can travel with the speed of light, but due to the limitation of mass we can't break the barrier of time frame and can't go to future in that sense.

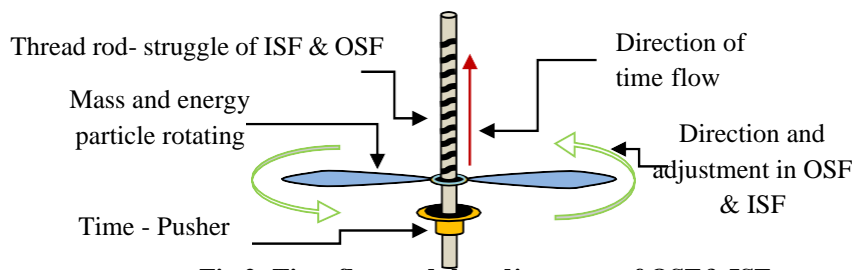
- To go to past or future we actually need to move faster than the speed of light which is actually impossible, but somehow in future if we discover that something can travel faster than the light it doesn't means that we can travel to past or future, it will only means that light can't travel with the speed of time, time has more speed than the light.

Now take a paper printout of graph 2, fold and try to arrange it properly it will give us the structure that can possibly explains that the light always takes the longest possible route to travel in the smallest possible time frame. And mass will take the smallest possible route in the same time frame scale which gives the relative observational time dilation effect.



**Fig 1: 3D Presentation of light, mass and time travel**

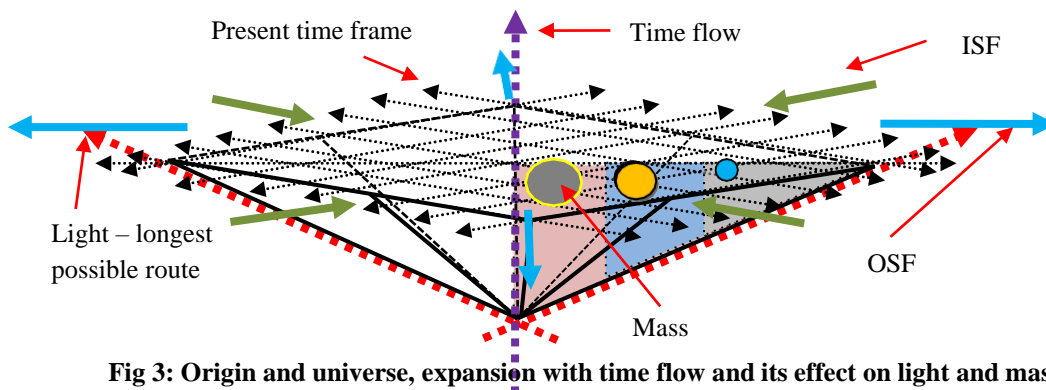
As we have already said that the ISF & OSF are the fundamental forces that governs the universe and they have trapped in the struggle in between the time frame indicating and following the fundamental laws of universe to maintain the stability for neutrality. To understand the concept of fundamental laws of universe with time flow, ISF, OSF and its effect on mass less as well as mass objects, we can go through the example like mentioned instrument (fig 2).



**Fig 2: Time flow and the adjustment of OSF & ISF**

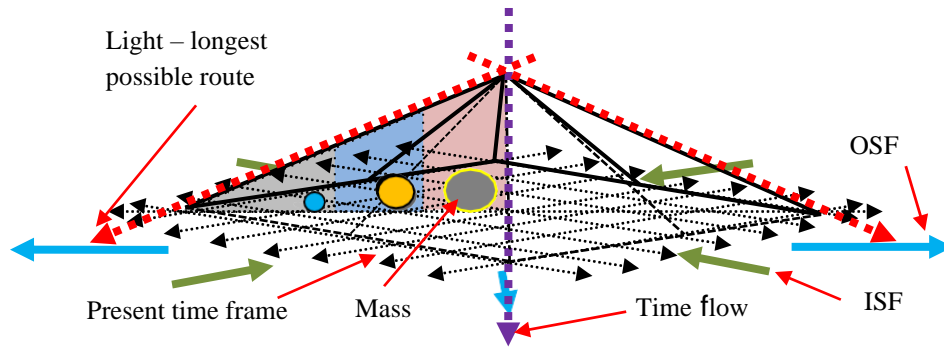
The above diagram explains the nature of time flow, ISF, OSF, mass and mass less particle (light). When we push the rotator upward with some force (indicating – time flow constant) indirectly wing will rotate on spiral thread over the rod (indicating- time frame in space), and the rotation of wing indicates the struggle in between ISF and OSF, like with every fractional time flow upward on thread scale every single particle has to adjust to flow where the near center particles will moves with the small rotation circle and the small distance where as the distant particle need to move faster and cover the long distance so that to adjust the same angle of rotation to maintain the stability in particular time flow scale. Same like that, the ISF drives the heavy mass particles or mass objects in small angular rotation and with the small displacements in particular time frame, where as the OSF drives the mass less particles in longest route with his maximum possible speed to adjust in the same time flow frame.

If we make the fig.1 upside down and put all the above concept to express properly we can represent it like below in fig.3. It shows that the universe constantly expanding with every fractional time flow and the fundamental forces with their struggle constantly maintaining the light to move in longest possible route and the mass grows inward with every time frame.



**Fig 3: Origin and universe, expansion with time flow and its effect on light and mass**

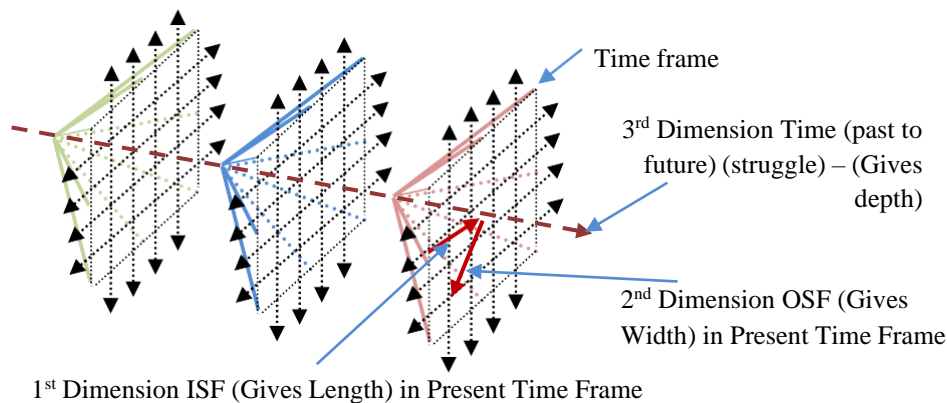
If we now rotate the (fig.3) upside down again, surprising that its exact resemblance to the structure of pyramids of Egypt. It shows the possibility that the pyramids of Egypt might have been built with the same concept to represent the origin of universe, its expansion and its functions with speed of light, Past, Present and Future and the time flow with the fundamental forces.



**Fig 4: Pyramid-model of Universe**

## Universe and its dimensions

As we know, the dimensions are the physical quantities that can be measured or the power to which the fundamental quantities are raised to express the physical quantity. The well defined dimension as we all know are 3 dimensions of space (length, width, depth) and 1 dimension of time. Many others theories have also claimed that there are many more dimension may be 10- 11, some claims that there are 26 and more dimensions. But with the theory of stability and neutrality we can propose only the 3 concrete dimensions of the existing universe on which the whole fundamental laws are working.



**Fig 5: Three Fundamental dimensions of univers**

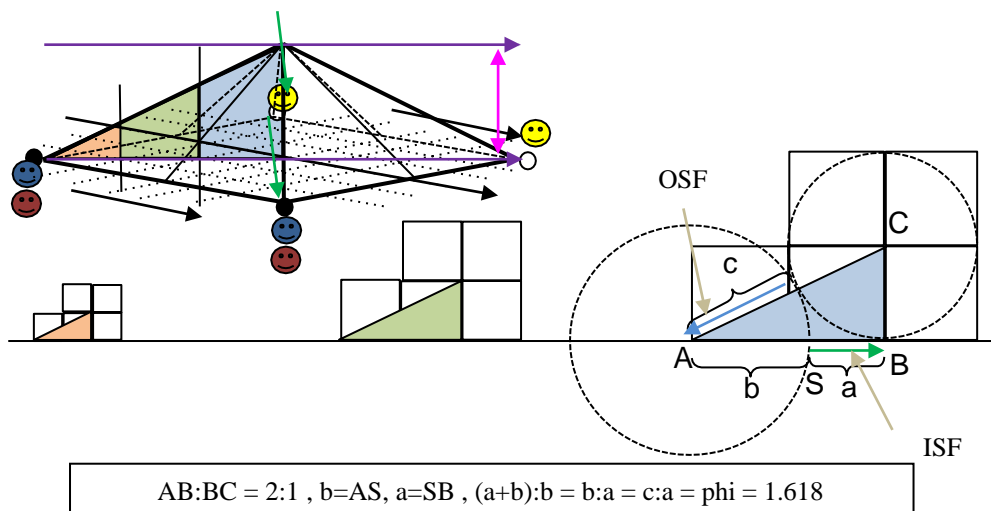
The first dimension is the ISF – which produces inertia in every present time frame gives dimension of length.

The second dimension is the OSF – This dimension on constant struggle with the ISF in every time frame scale gives the dimension of width in every fractional time flow.

The third dimension is the Time – Which moves constantly forward and push every mass and the mass less particle (energy) and their struggle forward along (past, present and future) with it and gives rise to the dimension of depth.

I believe these are the three basic fundamental dimensions of the universe on which the whole universe is running.

## Pyramid and the golden ratio



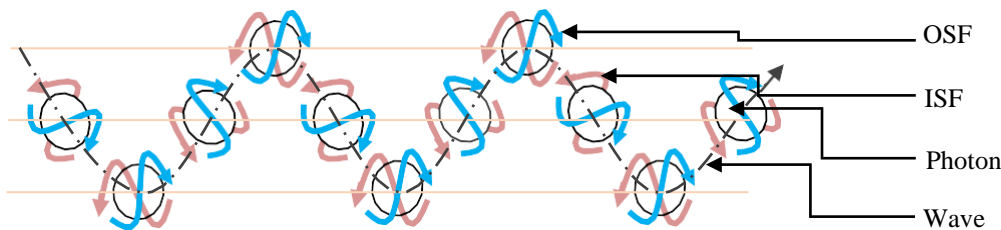


As we can see  $a+b: b = b:a = c:a = \phi = 1.618$  (the ratio is  $1.618:1$ ) is actually the difference of the most fundamental forces (ISF & OSF), where the OSF which drives the mass less particle with his maximum possible capacity very easily in longest possible route along with every time frame scale where as the ISF which drives the mass particles or mass objects with same capacity but with the great efforts against OSF so as against the time flow but unconditionally moves forward with every time frame. Indirectly it means that the time flow favors the OSF and is against the ISF. The difference of these two forces struggle on the time flow scale possibly be the golden ratio (the ratio is  $1.618:1$ ) which creat the easiest possible movement in circle or the spiral. And which is the reason behind the time dilation and the circular structurl growth everywhere in the universe.

### 3 QUANTUM MECHANICS, ISF & OSF

#### Duel nature of light particle

science has allready proved the dual nature of light and we have allready explained that every mass or the mass less particle is under the influence of some net force field, as the net force field of photon where OSF which constantly try to drive mass less particle (photon) with his maximum possible speed(speed of light) contrary to this the ISF constantly trying to restabalize this photon energy. The struggle between these two forces indirectly leads the mass less particle to move forward in wave form in every fractional time frame, that's why the mass less particles shows the dual nature.



**Fig 7: Dual nature of light and Fundamental forces**

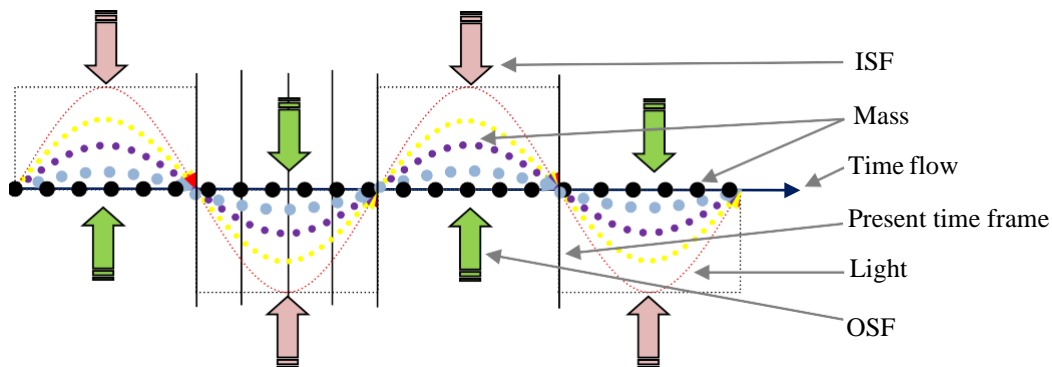
#### Quantum decoharance with the ISF & OSF

with many debates the dual nature of photon was concluded, but if so why does the other masses (objects in macro world) does not shows the wave quality also? On basis of the answers explained to this in the theory of quantum decoherence, I believe that we can say, the fundamental forces was not actually meant to maintain the wave quality in mass less or the mass particles also. The wave function at the quantum level is just a menifestation and projection of struggle in between the fundamental forces to maintain stability and to achieve neutrality when the proportional mass is very less = energy, but the same struggle in between the fundamental forces with the shift of net force field towards the ISF and with the increase in the proportional mass of an object, menifest and project it as inertia.

#### Inertia, ISF & OSF

The inertia explained by the first law of motion by newton :- That is every body preserves in it's state of being at rest or of moving uniformly straight forward.

But according to the theory of stability and neutrality actualy every mass and even the mass less particles wants to maintain it's inertia that is what to maintain the stability to achive neutrality (not only in case of state of motion but also in state of form it is) with the struggle in between the fundamental forces. we should understand the concept of inertia as when the ISF some how managed to shift the net force field towards the ISF(decreasing the amplitude) it indirectly managed to reduce the wave function of light and leads to develop the inertia and eventually developed the mass and with the proportional mass growth to maintain stability to achieve neutrality it constantly changes its projection of wave function to inertia and gravitation.



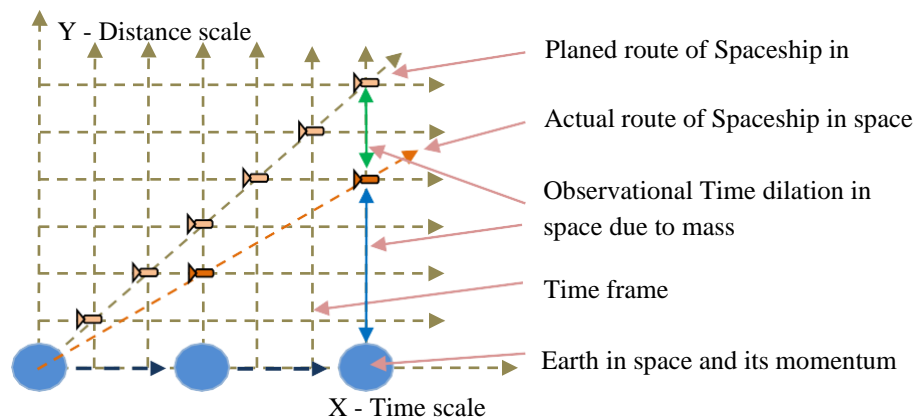
**Fig 8: Energy to mass, projection of wave function to inertia**

So the inertia is not only to preserve in it's state of being at rest or of moving uniformly straight forward but also to maintain it's state of stability which one is constructive, inward for the neutrality.

**Table-2: Momentum and the inertia of mass and energy**

$F = m \cdot a$ & $1/e = m$ or $1/m = e$	$V = f \cdot \lambda$	$F = \Delta f \cdot \Delta \lambda \cdot m / \Delta t$
But $a = \Delta v / \Delta t$	$\Delta v = \Delta f \cdot \Delta \lambda$	$F = \Delta f \cdot \Delta \lambda \cdot m / \Delta t$
So $F = m \cdot \Delta v / \Delta t$	if we divide both side $\Delta t$	$\Delta t \cdot F = \Delta f \cdot \Delta \lambda \cdot m$
$F/m = \Delta v / \Delta t$	$\Delta v / \Delta t = \Delta f \cdot \Delta \lambda / \Delta t$	But $\Delta t \cdot F = \Delta P$
$F \cdot e = \Delta v / \Delta t$	$F \cdot e = \Delta f \cdot \Delta \lambda / \Delta t$	$\Delta p = \Delta f \cdot \Delta \lambda \cdot m$
$e \cdot F \cdot \Delta t = \Delta v$	$F = \Delta f \cdot \Delta \lambda / \Delta t \cdot e$	But $\Delta f \cdot \Delta \lambda = \Delta v$
But $F \cdot \Delta t = \Delta p$ & $\Delta v = \Delta f \cdot \Delta \lambda$	$F = \Delta f \cdot \Delta \lambda \cdot m / \Delta t$	$\Delta p = \Delta v \cdot m$
$e \cdot \Delta P = \Delta f \cdot \Delta \lambda = \Delta v$		
Where $(e \cdot \Delta p)$ is the OSF (for instability) it shows that when OSF increase in energy it increases the velocity of energy with maximum frequency as well as the wavelength in particular time.	Where $F = ISF$ (inertia of stability) It shows that when ISF(F) maintain the frequency and wavelength with relative increase in mass with particular time. That is actually inward force which is responsible for growth of mass as constructive inertia & gravitation force.	Where $\Delta p = OSF$ (for instability) It shows that with the increase in OSF( $\Delta p$ ) change of momentum of mass is equals to change in velocity of a mass. It is just like applying force from outside the object to move the object (of inertia of $F = ISF$ , inertia of stability).

As the fig 8 and the table 2 Shows that the frequency and wavelength remains constant through every time frame as time is constant. But the difference of amplitude (Net force field) is responsible for its difference in projection as energy to mass. So the fundamental forces ISF and OSF works so efficiently that to make sure no mass or the mass less particle (energy) could break the time frame limit, when OSF reach the max limit then ISF overtakes it and starts to restabilize it and this frequently reduces the amplitude of wave function of object and started to develop inertia which leads to the development of mass and gravitation.


**Fig 9: Effect of mass and absolute time on time dilation**

So if we try to go with speed of light in space with a spaceship, the spaceship will be as its own individual mass in space (as no longer a part of mass of earth) the spaceship will can possibly run very fast in space, in any direction but as the time is constant it can't break the barrier of time frame due to struggle in between fundamental forces, as it tries to move faster its mass increases due to increase in ISF to maintain inertia (amplitude in space), object needs to reduce its own mass to move with speed of light which actually is not possible. And even if it doesn't speeding in space it will still be moving with time flow in every time frame as shown in fig.9 above.

So the absolute time always make sure to allow every mass to move according to its mass and max possible speed under the two fundamental forces with maintaining the time dilation effect within every consecutive time frames.

## 4. RESULTS AND ABSTRACTS

### Five Fundamental Laws of Universe

#### 1) Change $\propto$ Time

- Basically the change can be called as time which always be there along with the fundamental forces and their struggle.

#### 2) Absolute time

-Time is constant and constantly moving forward towards the future. (In every fractional time frame)

-Light takes the longest and mass takes the smallest possible route to travel in every time frame.

#### 3) Causality

- We only can exist or can be alive in present but can't ever see the present or future.

- We can see only the past (as we can live only in present, we believe the past as our present due to relative observational error).
- We can't ever travel to past because we have to flow unconditionally forward with every little fraction of time frame.
- We can't even travel to the future but as we have to flow forward with every fractional time frame unconditionally, we have the scope of speeding from present to future dimension of time flow within two consecutive present dimension frame and can affect the future as we do it like every day (with mass-which creates observational time dilation) and also can affect a lot if we can travel with the speed of light, but due to the limitation of mass we can't break the barrier of time frame and can't go to future in that sense.

#### **Trial and error**

-Everything and anything that is happening and can happen is just the trial and error of the fundamental forces for the stability and to regain universal neutrality.

#### **Stability and the neutrality**

-The fundamental aim of everything that is happening in this universe is to regain stability and the universal neutrality.

#### **Three Fundamental Dimensions of Universe**

The first dimension is the ISF – which produces inertia in every present time frame gives dimension of length.

The second dimension is the OSF – This dimension on constant struggle with the ISF in every time frame scale gives the dimension of width in every fractional time flow.

The third dimension is the Time – Which moves constantly forward and push every mass and the mass less particle (energy) and their struggle forward along (past, present and future) with it and gives rise to the dimension of depth.

#### **Two Fundamental Forces and Golden Ratio**

Anything that exist in this universe is due to the struggle in between the two fundamental forces and the difference of the struggle in between these two fundamental forces on the time flow scale is the golden ratio (is-1.618:1) which is also responsible for the observational time dilation.

#### **Fundamental Forces and Inertia**

The inertia is not only to preserve in it's state of being at rest or of moving uniformly straight forward but also to maintain it's state of stability which one is constructive, inward for the neutrality.

$$e * \Delta p = \Delta f * \Delta \lambda = \Delta v$$

$$F = \Delta f * \Delta \lambda * m / \Delta t$$

$$\Delta P = \Delta v * m$$

### **5. FINAL CONCLUSIONS**

- With the big bang and its byproducts like time, OSF, ISF, and constant struggle with the difference of the golden ratio in between the fundamental forces creating the three fundamental dimensions leads to the development of mass and the existence universe. We the living, nonliving and everything in this universe is constantly moving with same time flow (Absolute time) and have to follow the fundamental laws of universe.

-We can only exist (can be alive) in Present (though we can't see it), we can only see the past and can only move towards the future with time flow on every time flow frame. Every human or any other animal on this planet and their every single activity is just under the influence of the fundamental forces which governing us to follow the fundamental laws of universe for stability and to regain universal neutrality back.

**Table- 3: Abbreviations**

OSF	Outward spring force	F	Force
ISF	Inward spring force	m	Mass
$\Delta f$	Change of Frequency	e	Energy
$\Delta p$	Change of Momentum	t	Time
$\Delta v$	Change of Velocity		
$\Delta \lambda$	Change of Wavelength		

### **6. ACKNOWLEDGEMENT**

First of all I would like to thank the all mighty universe for his immeasurable guidance throughout the study for the wisdom bestowed upon me to complete the research successfully.

Much gratitude to all the scientist community from Aristotle, Galileo, to Newton, Einstein and all those who have contributed to grow scientific wisdom and temperament in humankind, without which the human could not possibly grow or can evolve up to this extent. The evolution and the technology eventually made the exposure to knowledge so easy that it feels like we are really important and are really close to this universe.

I would like to express my immense gratitude towards my parents, who have continuously supported me to accomplish my study and for their guidance, encouragement and the inspiration throughout their lives. I would also like to thanks my wife, my brothers and my whole family and friends for being in constant support to my efforts.

My final gratitude's to all those expressed and unexpressed universal forces that served as a great help, in my means, and thus made this study a success.



## REFERENCES

- [1] Mithun S. Gowardhan, International Journal of Advance Research, Ideas and Innovations in Technology: “Origin of Universe and Life with the Theory of Stability and Law of Universal Neutrality”, 2021.  
[Online] available: <https://www.ijariit.com/manuscripts/v7i3/V7I3-1245.pdf>
- 2] Peter Watson, Emeritus professor, Physics, Carleton University, the conversation; “Can we time travel? A theoretical physicist provides some answers”, 2022.  
[Online] Available: <https://theconversation.com/can-we-time-travel-a-theoretical-physicist-provides-some-answers-182634>
- 3] Pea Horsley, Author & Animal Communicator, Ubiquity University: “The golden ratio in nature”, 2021.  
[Online] Available: <https://community.ubiquityuniversity.org/posts/the-golden-ratio-in-nature>
- 4] Matthew S. Williams, interesting engineering: “How Many Dimensions Does Our Universe Really Have?” 2021. [Online] Available: <https://interestingengineering.com/science/how-many-dimensions-does-our-universe-really-have>
- 5] Aviv Karnieli, Nicolas Rivera, Ayi Arie, Ido kaminer, Science Advances: “The coherence of light is fundamentally tied to the quantum coherence of the emitting particle” 2021.  
[Online] Available: <https://www.science.org/doi/10.1126/sciadv.abf8096>
- 6] By University of British Columbia, “Understanding of light momentum: Researchers shine a light on 150-year old mystery” 2018.  
[Online] Available: <https://phys.org/news/2018-08-momentum-year-mystery.html>
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## BIOGRAPHY

	<b>Mithun S. Gowardhan</b> General Practitioner, Chandrapur, Maharashtra. India.
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