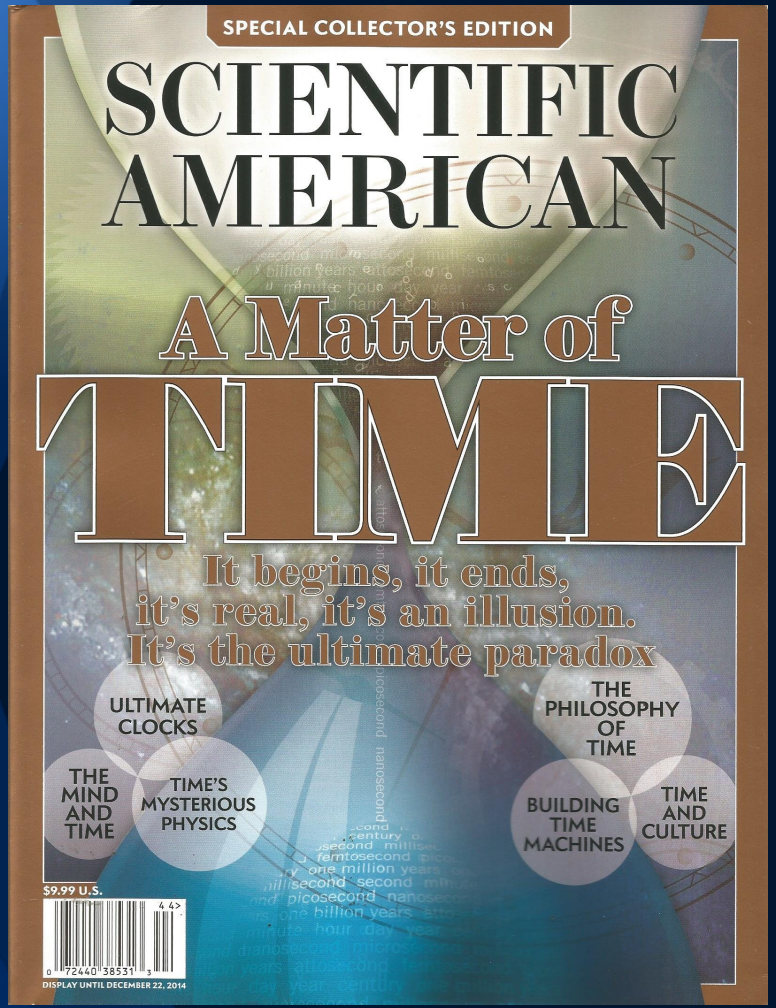

Fully appreciating and understanding the truth of the statement, “Time is NOT the 4th dimension.”, is the key to knowing what the ‘Natural Phenomenon Of Time’ (NPT) is and isn’t. It is impossible to know the truth about the nature of ‘physical reality’ and ‘conscious reality’, if you do not have an accurate conceptualization of NPT.

Our calculus-free explanations are easily understandable by anyone who is willing to learn the truth about time, space, energy and physical reality. Here are three fundamental truths stemming from knowing more about time: 1) The Big Bang Never Happened 2) Black Holes Don’t Exist 3) All Forms Of String Theory Are Useless & Wrong

How much has our understanding of the ‘Natural Phenomenon of Time’ progressed, since the life and times of St. Augustine (354-AD – 430-AD)? Has our understanding progressed at all? In many ways the conceptualization of ‘time’ seems to regressed. Language, particularly metaphors and other figures of speech, add to the confusion.

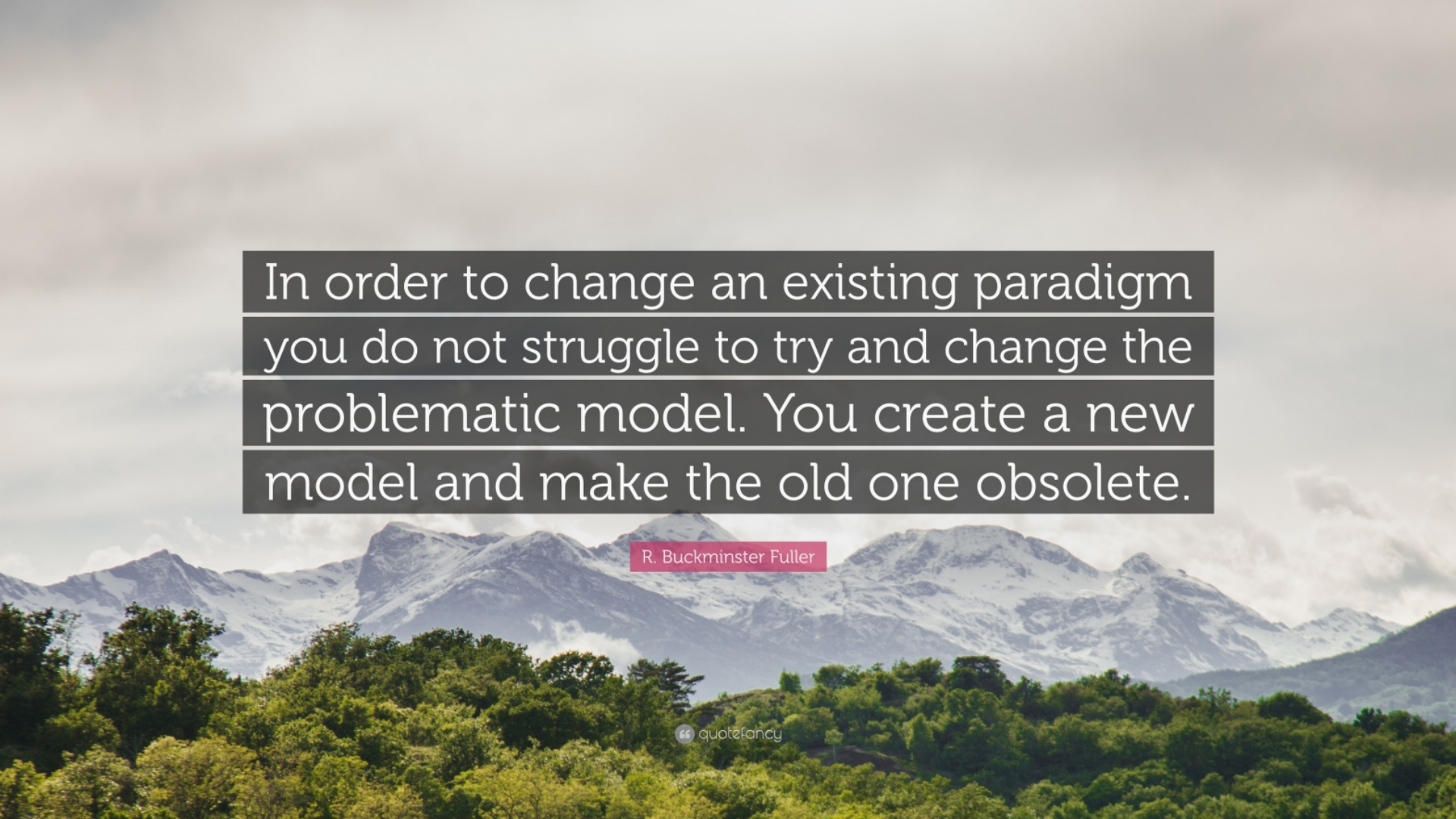
What then is time? If no one asks me, I know what it is. If I wish to explain it to him who asks, I do not know.

(Saint Augustine)




Does a clock or watch with no hands, still experience 'time'?

What logic is there to support the claim, "Time is the 4th dimension."?


In order to change an existing paradigm you do not struggle to try and change the problematic model. You create a new model and make the old one obsolete.
R. Buckminster Fuller
quotefancy

# PROOF THAT PERCEPTION IS NOT REALITY – PURPOSE OF SCIENCE

Think of the following three scenarios:
1) You are near large body of water, by yourself on a windy day, being active, with lots of action, for 6 hours.
2) You sit by a calm lake, on a clear day, with little noticeable change in your environment for 6 hours.
3) You are forced to sit in an empty room, and stare at a standard mechanical clock, for 6 hours.

The vast majority of people report that in scenario #1, time seems to pass quicker than in #2 and #3.
The vast majority of people report that scenario #2 seems quicker than.
The vast majority of people report that scenario #3 seem longer and torturous.

In physical reality, the same amount of 'measured time' passed, but the perceptions are vastly different.
Yes, the perception was that the time durations are not the same, but quantitatively they are the same.
Physical 'relativities' & 'variances', distort our accurate and consistent tracking of what we call time.

The purpose of 'science' should be to discover relationships in Nature and improve our understandings.
What we now call 'science' was once called Natural Philosophy. The practitioners of Natural Philosophy, like Isaac Newton, wanted to know the relationships in Nature, and discover new relationships if they could. Natural Philosophers wanted to gain deeper and more accurate conceptualizations of how Nature and the Universe function, sometimes to the degree of existence itself. From my perspective, and engaging in First Principles Thinking, to know the true most-fundamental nature of physical reality and existence, one has to know the true nature of 'time' and 'space', and currently no one does (or, at least they have not told the world), until now.

# NATURAL EXPLANATIONS vs. SUPERNATURAL PHENOMENON

Early recorded explanations of what the Sun were supernatural. The Egyptians had their popular myths, the Greeks had different ones. Then, many individuals and societies came to learn more facts about the Sun, the Sun became less supernatural. Super, in this context means ‘above’ or ‘beyond’, so supernatural means ‘above’ or ‘beyond’ our knowledge of nature. Quantum entanglement is currently supernatural, in that we can observe it, but we cannot fully explain it. The natural phenomenon of time, is still largely supernatural to us.

What is the Big Bang Theory? The BBT is a ’supernatural’ theory which attempts to explain the beginning, perpetuation and continuation of space, time, energy, matter and our physical universe. Why can we accurately and honestly say that the Big Bang Theory is a ‘supernatural’ theory? Because, to believe in the Big Bang Theory, you have to conclude that all known ‘natural’ ’Laws Of Physics’ and many of the ‘rules of mathematics’ have to be abandoned in order for the original Big Bang to have happened; that’s supernatural, not natural.

Stephen Hawking famously said, “Because there is a law such as gravity, the universe can and will create itself from nothing.” Nothing in Nature has ever created itself, by strict definition Hawking’s beloved Big Bang Theory is 'supernatural’, not ‘natural’. And, the mainstream Big Bang Theorists goes one more ridiculous step further, and say that ‘nothing’ can not only create something, but nothing created ’everything’ we observe, including us.

Even the supposed cosmology ‘experts’ out themselves when they talk about the 4 fundamental forces of Nature coming into existence after the Big Bang event. So how could one of the forces, i.e. gravity, have caused everything to just pop into existence from nothing, when it did not exist. When you scrutinize the Big Bang Theory logically, it becomes clear that it is not only supernatural, but it is impossible to have occurred.

# THE BIG BANG IS A CATHOLIC CREATED & ENDORSED CREATION-MYTH

To be clear, we are not saying that all aspects of Catholicism are bad or wrong. We are not against Catholicism or Christianity, in general; many of our family members are practicing and non-practicing Catholics. We respect the fact that various forms of Christianity are fundamentally responsible for the relative freedom now enjoyed in all of Western civilization. Please don't take our dissemination of historical truths as trying to hurt Catholics.

What is now called 'The Big Bang Theory' was initially developed and proposed by a Jesuit educated Catholic Priest named Georges Lemaitre, in 1927. Lemaitre was not a low level priest, he was the head of the Vatican's Pontifical Academy of Sciences from 1960 to 1966. The theory was initially called the Primeval Atom Theory, and got its current name from disparaging comments made on BBC by Sir Fred Hoyle who dismissed the theory. The top synonym for 'catholic' is 'universal', so it is quite fitting the Catholic Church has a theory of the universe.

It might just be a coincidence that the atheist Stephen Hawking was invited to join the Catholic Church's Pontifical Academy of Sciences in 1986, by the Pope, and two years later Catholic Universities promoted Hawking's book titled 'A Brief History of Time: From The Big Bang To Black Holes'. It might be a coincidence.

More recently, the current Pope shocked the world with the statement, "The Big Bang happened, but God made it happen." This was hailed as the Pope being progressive and accepting modern science. Most people were perplexed because they were under the impression that the Big Bang was an atheistic theory, because it was promoted by so many atheists. Once you know the history, as you do now, it does not seem so bizarre and strange that the Pope would be so openly supportive of doctrine and theory that originated from his organization. We will break down some current notions and physics misconceptions, and you can draw your own conclusions.

# MULTIVERSES vs. HEAVEN

Today, many people like Michio Kaku and the late Stephen Hawking are considered highly intelligent and scientifically-literate because they BELIEVE in multiverses (i.e. universes other than the one we all physically live in) and spatial dimensions higher than 3-D. Ironically, the majority of these people who BELIEVE in bizarre and wild theories (that not only have no proof, but are impossible to be verified), identify as being atheists.

Even more ironically, these high priests of what we call ‘scientism’, and their followers, give physical attributes to higher spatial dimensions and multiverse that are incredibly similar to ancient descriptions of heaven, nirvana, the afterlife, etc. The scientismists’ wild stories are conceptual plagiarisms ’of the highest order’.

Stephen Hawking’s last paper he co-authored with James Hertog attempts to make the case that there is a ‘finite number’ of multiverses rather an ‘infinite number’ of multiverses, although no one has proven one other universe besides the one universe we live in and know, exists! Just more science-fiction masquerading as fact.

A recent global mainstream media story stated that astrophysicists state there are roughly 10 000 black holes at the center of our Milky Way galaxy rather then the 1 they cannot prove exists. As consumers of news and science news, we have to become more discerning while also demanding higher standards of proof and disclaimers for unsubstantiated theories as opposed to verifiable facts. We deal in modelling more than theory.

Interestingly, even most ancient largescale religions did not claim that ‘time’ stopped nor the possibility of ‘time travel’. To even suggest physical ‘time travel’ as being possible is to lack basic appreciation and understanding of time. Where immutable progression of time is the cause of all physical travel, it is a nonsensical notion.

# CHANGING THE FUNDAMENAL PARADIGMS OF SPACE & TIME

In this presentation, many simple, well-known and little-known concepts will be addressed. The main goal we endeavour to accomplish is to demonstrate that the current mainstream ‘belief’ about the order of ‘physical space’ and ‘physical time’ is exactly backwards. The official paradigm is wrong, and is leading to confusion.

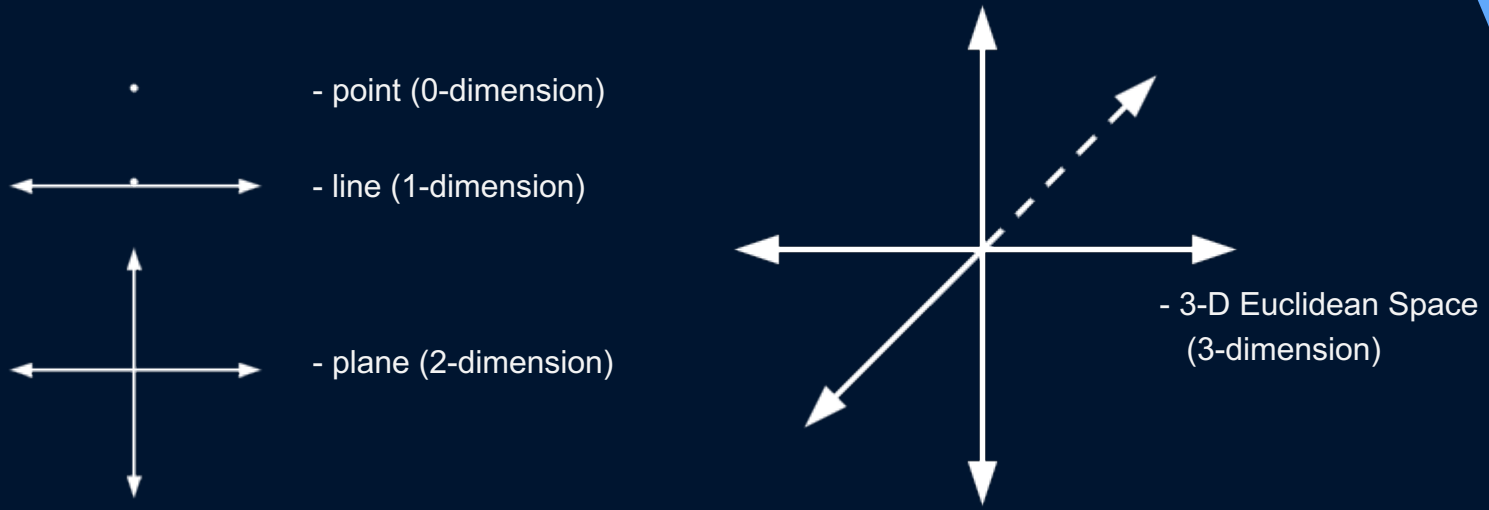
Currently, it is widely ‘accepted as fact’ by ‘top authorities in physics’ that ‘physical space’ is the fundamental and primary phenomenon of the universe, and ‘physical time’ is an ‘emergent phenomenon’ of ‘space’. I intend to prove that ‘physical time’ is fundamental and primary in Nature, and ‘physical space’ can logically be proven to be an emergent phenomenon of ‘physical time’. Put briefly, ‘space’ is a manifestation of ‘time’, not vice versa.

The word ‘emergent’ should be a dead give away. For anything to physically change, any event to happen, or emergence, the progression of physical ‘time’ is required. ‘Time’ is the ‘ultimate fundamental cause’ of everything and nothing; a title currently held by ‘space’ among authorities, followers and students of physics and science.

Thus, it is not ‘word play’ or ‘embellishment’ to say that the current ‘official paradigm’ of fundamental Physics is precisely backwards, and thus wrong. This fact has many incredible implications, some which will be discussed in this presentation, and so many more implications that they cannot possible be discussed in this or any format.

Stephen Hawking, James Hartle, Michio Kaku and other contemporary physicists were led stray by the mathematical modelling of Herman Minkowski and the physical conceptualizations of Albert Einstein. Their physical conceptualizing leads to dead ends and determinism, as consciousness is denied. Now, we know better.

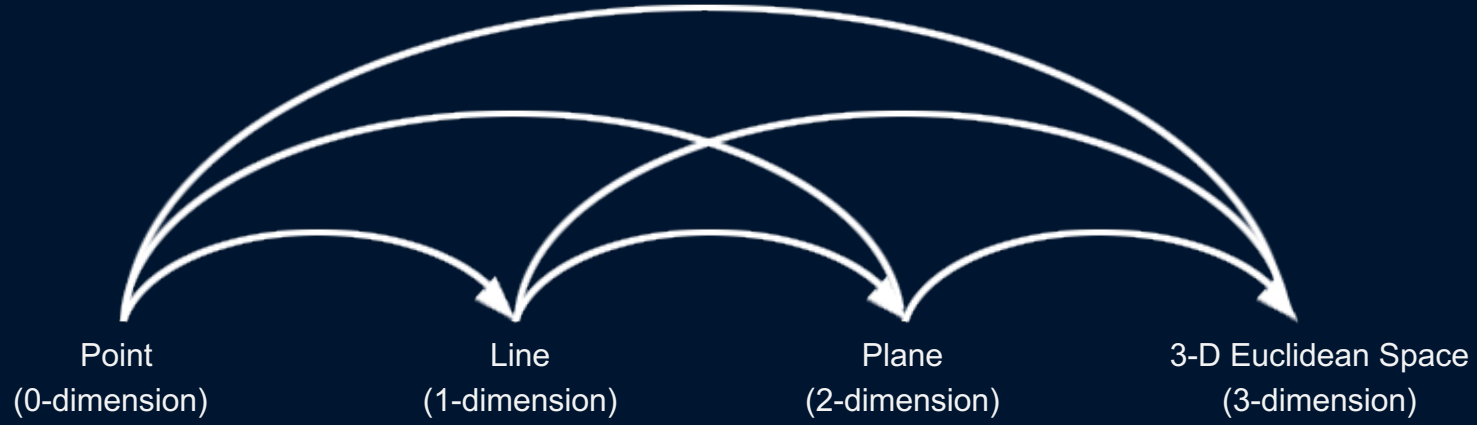
# ‘JESSOME BASIC CONCEPTUUM’ OF FUNDAMENTAL SPATIAL CONCEPTS




The Jessome Basic Conceptuum is the Organization and Hierarchy of Geometric Concepts and States:

- Theoretically and conceptually, an infinite amount of points creates, constructs and describes a line.
- Theoretically and conceptually, an infinite amount of lines creates, constructs and describes a plane.
- Theoretically and conceptually, an infinite amount of planes creates, constructs and describes 3-D Space.

# JESSOME SPATIAL MESH MODEL – COMPLETE SPATIAL CONCEPTUUM




It is important to notice ‘the mesh direction’ in this ‘conceptuum’ (a term we coined, to describe the ‘natural order of concepts’), and that the ‘spatial regions’ these dimensions and concepts define, get visually larger and more complex, as the dimension number increases. Also, each dimension comprises the previous one, but not higher ones. This becomes incredibly significant and relevant, in further analysis and our unique modelling.

A point location in 3-D Euclidean Space, from an origin, is ‘generally’ written as ( x, y, z ), and generally describes displacement from the origin in the horizontal, vertical and depth, respectively.

# GEOMETRICAL ANALYSIS OF JESSOME SPATIAL MESH CONSTRUCTUUM

For each spatial dimension, the ‘linear direction number’ raised to the power of the ‘dimension number’, gives the number of observable conceptualized spatial regions. A point has 0 linear directions. A linear spatial dimension has 2 directions (i.e. positive and negative).

0-D ---> $0^0 = 1$ (for 0-D ... 1 unique point ... theoretically, one infinitesimally small spatial region)

1-D ---> $2^1 = 2$ (for 1-D ... 2 unique spatial regions ... from an origin, positive and negative regions)

2-D ---> $2^2 = 4$ (for 2-D ... 4 unique spatial regions ... 4 quadrants of Cartesian Coordinate System)

3-D ---> $2^3 = 8$ (for 3-D ... 8 unique spatial regions ... 4 upper quadrants + 4 lower quadrants)

The 3-D linear spatial dimension system is geometrically constructed by putting 3 orthogonal axes through an origin point. It is geometrically impossible to add a $4^{th}$ orthogonal axis. However, barring that geometric impossibility, and following our logical geometrical analysis, yields 4-D ---> $2^4 = 16$, which is inconceivable. Speaking of the $4^{th}$ spatial dimension might be acceptable for String Theorists and math theory, but not for logicians, mathematicians, realists and physicists who want to discover and describe truth about physical reality.

# JESSOME TIME --- TWO FUNDAMENTAL TYPES (FOR NOW)

**1) The Natural Phenomenon of Time (NPT):** is the ultimate unmeasurable fundamental cause of all physical change. Accurately conceptualizing NPT as being the the ultimate fundamental cause of all physical change, including change of position, motion and physical reality, means NPT is incomparable, not relative and and thus unmeasurable. It follows that NPT is not the 4th spatial dimension, nor an 'emergent phenomenon of space', as asserted by many physicists and theoretical physicists; this will be proven with diagrams and logic.

2) **Clock Time (CT):** is the accounting of change, 'compared' to universally known regular/consistent motions through a distance; i.e. the swinging of a certain pendulum, the rotation of the Earth around the Sun, atomic pulses, etc. CT is the basis for measurement of duration, which we conceptualize from known regular motions. A year is one complete rotation of the Earth around the Sun; that's a motion through a distance. A second used to be 1 / 86 400$^{th}$ of a day because of our division of a day into 24 hours, with 60 minutes in an hour, with 60 seconds in a minute. Then a second became 'one complete swing' of a good specific pendulum (a motion through a distance), but now a second is 'scientifically defined' with respect to the meter, speed of light and the set number of pulses of a cesium clock. Quantum clocks are up next, with their improved accuracy.

Interestingly, we've not heard one Theoretical Physicist or Physicist discern between NPT and CT. Oddly, the closest two accounts we've ever witnessed to our work, come from a comedy routine by George Carlin in the mid 1970's, and more recently a Yogi on YouTube --- you can't make this stuff up. For the purposes of clear communication, and while you are not completely finished processing the concepts of NPT and CT, we will be using discussion NPT, more often than not. And, when we say 'time', we'll be referring to NPT not CT.

# JESSOME TIME --- TWO FUNDAMENTAL TYPES (FOR NOW)

Discerning between these two types of Jessome Time, will augment our appreciation and understanding of Nature. The Natural Phenomenon Of Time is an immeasurable and the ultimate fundamental cause of all physical change. Clock-Time is an accounting of the effects of NPT, which we refer to as duration. Clock-Time is incredibly useful in scientific, business and banking mathematical equations and relations. Simple.

Our use of language, common expressions, metaphors, sayings, etc cloud our minds of the truthful simple reality being explained here, regarding NPT. It is very important that we realize the role language plays in right and wrong conceptualizations, in order to overcome misunderstandings. Metaphors can be accurate and enhance our understandings, but they can also be inaccurate and lead to misunderstandings.

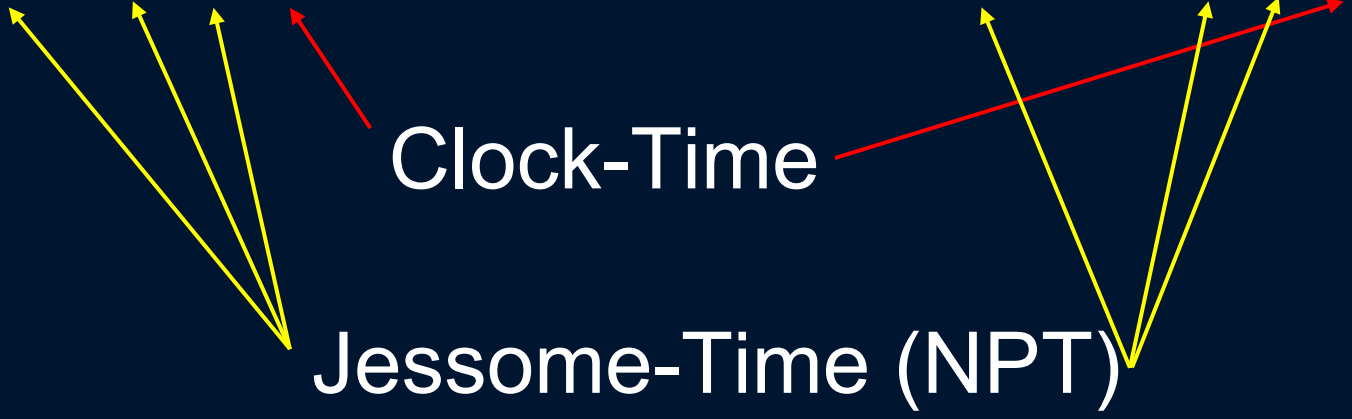
In the interest of accuracy and clarity, neither type of 'Jessome Time' should be thought of as an object or medium. NPT and CT are concepts, not objects or mediums. You travel through space, because of the NPT and you can use CT as a conceptual reference for duration. You do NOT travel through time. Time travel is often discussed and pondered, but the notion is truly illogical, impossible and downright wrong. There is too much circular logic in physics and theoretical physics. More on this, later.

As for the statement, "Time is the $4^{th}$ dimension." Neither NPT nor CT are 'linear spatial dimensions', so WHY and HOW they could logically be numbered as the $4^{th}$ is quite confusing and perplexing. It's almost like Einstein's teacher, Hermann Minkowski just cognitively threw the concept of time in the numerical position of the $4^{th}$ dimension, and it academically stuck, with no logic or reason to support it; similar to Galileo's mistakes.

# DISTINGUISHING BETWEEN JESSOME-TIME (NPT) & CLOCK-TIME

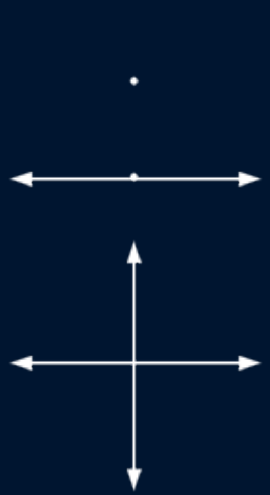
Galilean Quantitative Description Of Linear Motion (Speed)

$s = \Delta d / \Delta t$ example: $s = 100\ km / 1h$




The above examples above are algebraic and quantitative ‘descriptions of motion’; not to be confused with actual physical motion. This new and unique perspective becomes incredibly important in later conceptualizations.

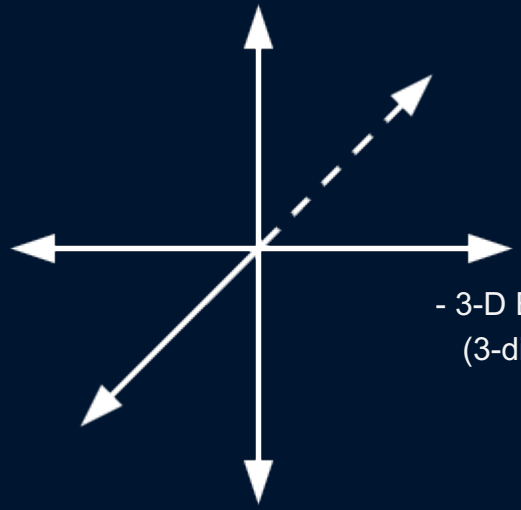
# WHAT WOULD LOGICALLY MAKE ‘TIME’ THE 4TH DIMENSION ?



- point (0-dimension)

- line (1-dimension)

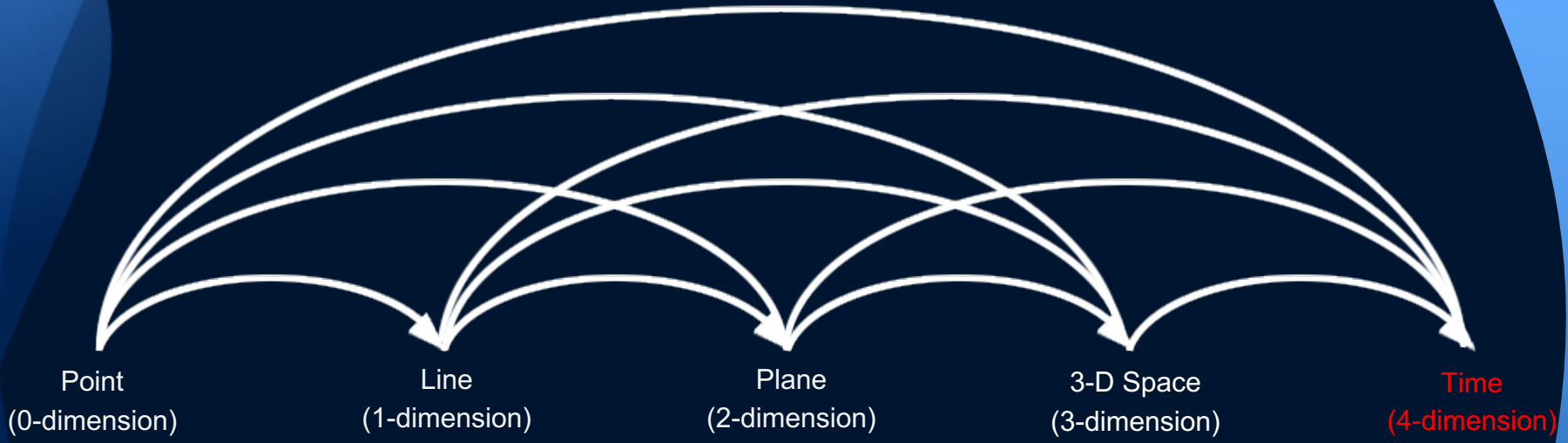
- plane (2-dimension)



- 3-D Euclidean Space (3-dimension)

If there could be a 4th spatial dimension, it would have to be spatial, visualizable and its construction would have to follow the hierarchical pattern of the previous dimensions. It is impossible to add another orthogonal axis to the other 3 in 3-D space, thus the pattern has reached its logical geometric conclusion with 3-D. With each higher spatial dimension, the regions get ‘larger’ and more ‘complex’. Can you draw a picture of time? We must logically conclude that time is not logically, mathematically or metaphorically a 4th spatial dimension.

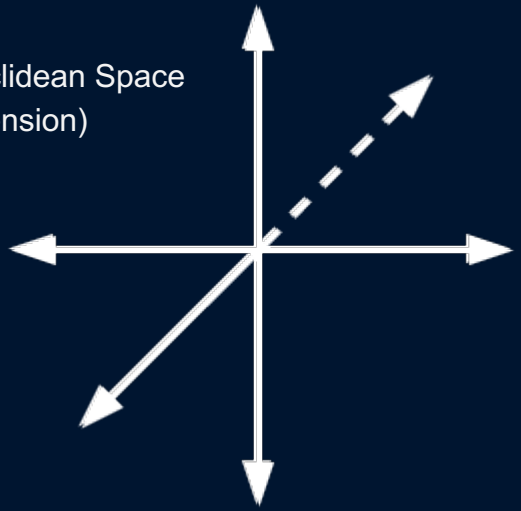
# JESSOME SPATIAL CONCEPTUUM APPLIED TO MINKOWSKI SPACE




The Jessome Spatial Conceptuum and its supporting geometrical analysis might seem obvious and self evident, however, to our knowledge, it has never been explained before. Now, this geometrical, conceptual and arithmetic analysis sheds light on the fact that ‘time’ is clearly not the $4^{th}$ spatial dimension. Could ‘time’ be geometrically and conceptually considered an an infinite amount of 3-D spaces? No. Using the arithmetic pattern, would yield regions = $2^4$ = 16. Can we visualize ‘time’ as 16 unique spatial regions? No. Let’s try something.

# FUNDAMENTAL SPATIAL CONCEPTS FROM MOST COMPLEX TO LEAST

- 3-D Euclidean Space
(3-dimension)



- plane (2-dimension)

- line (1-dimension)

- point (0-dimension)

Lets look at how the spatial concepts deconstruct from most complex to most simple:

Within the realm of a 3-D space, you have an infinite amount of planes.
Within the realm of a plane, you have an infinite amount of lines.
Within the ream of a line, you have an infinite amount of points.
Within the realm of a point, you have an infinite amount of nothing (no spatial constructs or objects).

We ask the question, “Is ‘time’ a complex or simple spatial construct or object?” The answer is, neither.
Being forced to most accurately place ’time’ (change) on this spatial spectrum, we choose sub-spatial (no space).

# JESSOME TIME-SPACE ‘CONCEPTUUM’


Notice the ‘mesh direction’ and the fact that the spatial regions these concepts define, get visually larger and more complex, as the dimension number increases. It is important to note, each spatial dimension comprises the previous one. The concept of Jessome-Time Natural Phenomenon of Time (change), alone, is not a spatial region. Thinking that Jessome-Time NPT (change) could be comprised of spatial dimensions is wrong. Every spatial dimension encompasses ‘change’ from ‘nothing’ to ’something’, and ‘change’ from ’inanimate’ to spatial ‘animation’. Events in the Jessome mathematical physical model of the Jessome Time-Space Conceptuum are written ( t ) – ( x, y, z ).

# JESSOME TIME-SPACE ‘CONCEPTUUM’ WITH UNITS

J-Time NPT (change)
(-1-dimension)
‘change’ has no
measurement units

Point
(0-dimension)
‘points’ have no
measurement
units

Line
(1-dimension)
’length’ is
measured in
meters ‘m’

Plane
(2-dimension)
‘area’ is
measured in
meters squared ‘$m^{2'}$

3-D J-Space
(3-dimension)
‘volume’ is
measured in
meters cubed ‘$m^{3'}$

Here again, J-Time NPT (change) fits sub-spatially or pre-spatially, not supra-spatially or extra-spatially.
If J-Time NPT (change) was to be viewed at the $4^{th}$ spatial dimension, the logical measurement unit would be ‘$m^{4'}$.
If you cannot make sense of J-Time NPT (change) being measured in ‘$m^{4'}$, then it follows NPT is not the $4^{th}$ dimension. NPT, the cause of all physical change, is immeasurable and thus there are no ‘units of measure’.

# MINKOWSKI-SPACE vs. JESSOME-SPACE (MATHEMATICAL MODELS)

## MINKOWSKI SPACE-TIME MATHEMATICAL MODEL HIERARCHY

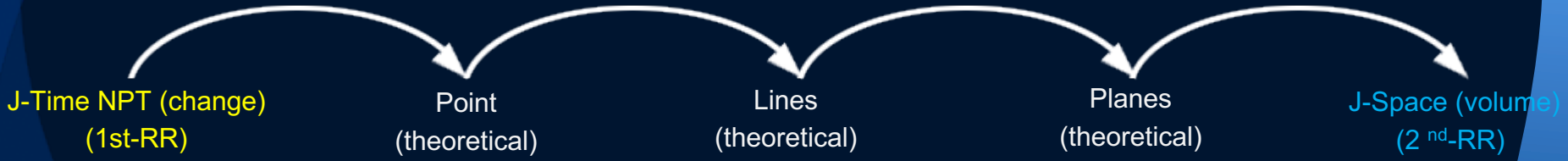

## JESSOME TIME-SPACE MATHEMATICAL MODEL HIERARCHY


Conceptually, and pictorially, I cannot think of a simpler way to explain the difference between Minkowski-Space mathematical model currently being used, and the Jessome-Space mathematical model, we are describing as being more accurate, conceptually valid, logically sound and a truer description of the hierarchical relationship between ‘time’ and ‘space’. It should be noted that most users of Minkowski-Space have not questioned it, nor viewed it from the accurate perspective we are presenting here. What we are explaining is NOT a minor difference, but a major shift in our concepts and understanding of what people call ‘time’ and ‘space’.

# ‘SPACE-TIME’ vs. ‘JESSOME TIME-SPACE’ (PHYSICAL MODELS)

## MINKOWSKI SPACE-TIME PHSYICAL MODEL HIERARCHY


## JESSOME TIME-SPACE PHYSICAL MODEL HIERARCHY




Considering the ‘animation’ of physical reality, it makes more sense that the Natural Phenomenon of Time, which we are calling J-Time NPT (change), is a fundamental concept of ’animated’ points, lines, planes and 3-D spatial objects. Thus, we view NPT as the 1st Realm of Reality (RR). Most would agree that ‘consciousness’, ‘thoughts’, ‘intuition’ and ‘intentions’ are not ‘spatial’ concepts or physical constructs, but are purely temporal manifestations. Investigating the reality of time without space, is very meaningful and useful; we will discuss this in much great detail, later in this presentation. Interestingly, Minkowski had the modelling backwards.

# PROOF OF JESSOME TIME-SPACE MODEL ACCURACY (Spatial Perspective)

Einstein and many other physicists gave up on fully appreciating and understanding the phenomenon of time and its relationship to space. Some erroneously assert that time is an illusion, or a manifestation of the human mind. The Natural Phenomenon of Time is numerically dimensionally sub-spatial or temporally pre-spatial, and NOT supra-spatial; or, stated otherwise, J-Time NPT is not the 4th dimension, nor akin to the 4th dimension, nor metaphorically the 4th dimension, as many people have asserted. We are the first to call the Natural Phenomenon Of Time pre-spatial and sub-spatial, and also prove it with sound logic, geometry and mathematical analysis. The following algebraically, geometrically, logical and numerically backs up our assertions:

3-D ---> $2^3 = 8$ (for 3-D ... 8 unique spatial regions ... 4 upper quadrants + 4 lower quadrants)
2-D ---> $2^2 = 4$ (for 2-D ... 4 unique spatial regions ... 4 quadrants of Cartesian Coordinate System)
1-D ---> $2^1 = 2$ (for 1-D ... 2 unique spatial regions ... from an origin, positive and negative directions)
0-D ---> $0^0 = 1$ (for 0-D ... 1 unique point ... theoretically, one infinitesimally small spatial region)

From a spatial region perspective: TIME (change) has 0 linear spatial regions, and we've called it the -1 dimension.
J-TIME (change) ---> -1-D ---> $0^{-1}$ = undefined (therefore, J-TIME is NOT defined by spatial dimensions, as is our assertions) ***

From a temporal regional perspective: TIME (change) has 0 spatial regions, yet it is a 'temporal realm', for lack of a better term.
J-TIME NPT (change) ---> 1-TD ---> $1^1 = 1$ (describing TIME as 1 temporal realm, not a spatial region, but not a 'zero set'.

If J-TIME NPT (change) is the $4^{th}$ dimension, then the pattern yields 4-D ---> $2^4 = 16$. J-TIME NPT is not conceptualizable as 16 spatial regions (nor temporal regions). This is logical and mathematical proof that 'time' is not the $4^{th}$ spatial dimension, and not related to 'space' in the manner currently described by 'authorities'. The Jessian explanation is logically and mathematically valid!

# PROOF OF JESSOME TIME-SPACE MODEL ACCURACY (Directional Perspective)

The natural phenomenon of time is pre-spatial, and NOT supra-spatial; or, stated otherwise, the natural phenomenon of time is not the 4th dimension, nor akin to the 4th dimension, nor metaphorically the 4th dimension, as many people have asserted. We are the first to call TIME pre-spatial and logically prove it. Each linear 'dimension', extends in two opposite 'directions', yielding:

3-D ---> 6 unique spatial directions from any point; combinations yield infinite directions
2-D ---> 4 unique spatial directions from any point; combinations yield infinite directions
1-D ---> 2 unique spatial directions from any point; combinations yield infinite directions
0-D ---> 0 unique spatial directions from a point (note: 0 is both a real and imaginary number)

From a spatial directional perspective: J-TIME NPT (change) ---> -1-D has 0 unique spatial directions; time is not a spatial region, thus does not have a spatial direction, although many consider time to be 'linear' and have a 'direction', it doesn't. This is another great piece of logic that proves J-TIME NPT (change) is pre-spatial or sub-spatial, rather than supra-spatial and extra-spatial.

From a temporal directional perspective: J-TIME NPT (change) ---> 1-TD is a temporal realm has 1 non-spatially-linear 'direction', from past, to present, towards future. We may psychologically perceive TIME (change) meshed with space as linear, because of the three states of past, present and future, however, NPT (change) is effecting everything in the universe, everywhere.

If J-TIME NPT (change) is to be considered the $4^{th}$ dimension of 'space, then the pattern yields 4-D ---> 8 unique spatial directions. NPT is not conceptualizable as having 8 temporal or spatial directions. In qualifying and quantifying time, it certainly does not fit as the $4^{th}$ dimension. NPT does fit quite naturally pre-spatially in the -1-D spot, from a directional perspective.

# JESSOME TIME-SPACE CONCEPTUUM IN TERMS OF SPATIAL REGION NUMBER

Looking at our spatial spaces pattern, again:

3-D ---> $2^3$ = 8 unique spatial regions (4 upper quadrants + 4 lower quadrants)
2-D ---> $2^2$ = 4 unique spatial regions (4 quadrants of Cartesian Coordinate System)
1-D ---> $2^1$ = 2 unique spatial regions ( 2 regions from an origin, we often call positive and negative directions)
0-D ---> $0^0$ = 1 unique point ... theoretically, one infinitesimally small spatial region

Now, if we view the Jessome-Time Conceptuum's Natural phenomenon of time as the $0^{th}$ 'dimension' which is change with no space, we could numerically refer to the spatial realms differently, with respect to their 'spatial region number' not their 'linear number' (i.e. not as 1-D, 2-D, etc., but in terms of 'spatial region number':

Time – 0-SR (zero spatial regions), Point – 1-SR, Line – 2-SR, Cartesian Plane – 4-SR, 3-D Euclidean Space - 8-SR

It seems foolish to suggest that NPT (cause of change), which is not a spatial region, be deemed to have 16 unique spatial regions. In longer presentations you will see that we developed a plane co-ordinate system that can be described by 3 positive coordinates. In that manner it could be called a 3-D plane, in that the plane is described by three unique axes and three regions. It is simpler than the Cartesian 2-D co-ordinate system in two unique ways: it has only positive numbers from an axis, and it has only 3 rays and 3 directions, instead of 4. We have to realize that numbered 'social conventions' are different than fundamental physical reality.

We've been describing 'time' in terms of 'space', 'dimensions' and 'numbered dimensions' for so long, that it seem right and true.

# AVOIDING CONFUSION WITH WORDS

Verbal communication with two or more people, can be incredibly complex. The more sophisticated the topics, the more opportunity there is for miscommunication, confusion and even chaos. Variations in vocabulary, conceptualizations and various word meanings for the same word, are often the source of miscommunication and even heated arguments. In this presentation, we endeavour to be as clear, concise and simple as we possibly can, explaining some 'common' and 'uncommon' concepts; using pictures when we can. Interestingly, it is the preconceived notions, errors in cognition and misconceptions with the 'common' concepts, which might be the most difficult for some to grasp, because people will have to change their thinking; that is often very difficult.

# BE CAREFUL WITH VARIOUS MEANINGS OF THE WORD 'DIMENSION'

Most people are familiar with movies being shot and presented in 3-D, where they wear special glasses that give them an enhanced perception of depth, to go along with the 'flat screen' which only has cues for depth. Most people have heard it said that, "Time is the 4$^{th}$ dimension." When someone refers to a smart and strategic political person, you'll often hear people describe that bright person is playing '4-D chess', meaning his thinking is so sophisticated that it might not make sense to the average person or you, but it makes perfect sense.

In order to appreciate and understand this simple yet mind-shifting presentation, one has to realize that 3-D refers to the conceptualizing 'geometric space' as 'numbered orthoganal linear dimensions'. 0-D refers to a point. 1-D refers to a line. 2-D refers to width and height.  3-D refers to width, height and depth. The word 'dimension' can also be used more subjectively to describe different 'features', 'realms'. 'parameters', 'variables', 'levels', 'degrees of complexity', etc. Ex. There is an emotional dimension to poetry. (dimension used as aspect)

# JESSOME NATURAL PHENOMENON OF TIME (NPT) IS NOT RELATIVE

Contrary to popular belief, Einstein's early thinking, and the current thinking among the world's top physicists and theoretical physicists, 'time' does not change. Time is the ultimate and primary fundamental 'cause' of all physical change. To suggest 'time' changes, is circular logic and reversing the cause and effect relationship.

Solid objects, liquids, gases, plasma, atoms, subatomic particles, fields and the ether, are constantly changing, due to 'time', more specifically the NPT. This changing of states is often misperceived as the 'cause' of the NPT, when the changing of states and positions is actually the effect of the NPT; from quantum to cosmic change.

The NPT causes consistent changes, and some of these natural 'regular' linear motions, cyclical motions, pulses and and rotations, are used as standards. One of the simplest of these natural changes humans perceive is sunrise to sunset. The 'second', used to be 'one swing' of a pendulum, but physicists have changed that, and tied the 'second' to atomic pulses and the speed of light, rather than a gravitational-caused motion of a pendulum.

The biggest issue we have in explaining the Jessome Concept of the Natural Phenomenon of Time, is the incredible amount of 'spatial' metaphors used to describe 'time', in everyday speech, writings and song lyrics. It also doesn't help when the physicists and theoretical physics communities BELIEVE that time is 'relative'.

Positions are 'relative' to one another. The motion of objects, by the very nature of motion, is comparative and 'relative' to the motion of other objects. The NPT is NOT motion. The NPT is the unmeasurable cause of all motion, thus it cannot be 'relative'. What we call Clock-Time (CT) is an accounting and comparison of regular motions, so CT clearly is relative. Until physicists and non-physicist learn to discern between NPT and CT, there will continue to be confusion surrounding the concept of 'time'.

# JESSOME CLOCK-TIME (CT) IS RELATIVE

The Jessome conceptualization of CT is the accounting of natural standard motions through specific distances.

When Joseph Glenn Jessome was explaining the impossibility of two clocks made out of matter, being synchronized and together, then experiencing different amounts of ‘actual time’ or ‘natural time’, and being placed side by side again, to GPS pioneer Ron Hatch, they both laughed at mainstream thinking about this.

Two clocks could never start out being together, and then experience a different amount of ‘natural time’ and be in the same place and time, ever again. Glenn’s assertion is that one would be in the present and the other would be in the future. Ron explained that he too came to this same physical conclusion, independently, and Ron called the concept of ‘different clock readings’ as ‘clock bias’, which is an accurate description. Scientists will call different ’clock readings’ of synchronized atomic clock the result of ‘time dilation’, as they believe time is ‘relative’.

Strict adherents of Special Relativity and General Relativity, Einsteinians if you will, will often speak of the Twins Paradox or make mention of the atomic clocks that were flown around the world, or that GPS clocks run at different rates. The Twins paradox is demonstrably untrue using advanced physics and mathematics, and one need look no further than the original work of Ron Hatch or Australian mathematician Stephen Crothers.

However, in trying to use simple logic, we ask the question, “If two clocks experience different amounts of time. How are they ever to be side by side again?” So, the answer is that the motion in the two clocks, no matter how precise, was slightly different, and thus they display different readings. Again, NPT is not relative. CT is relative.

# J-TIME NPT GIVES ORDER TO THE UNIVERSE – SPACE CAN BE RANDOM

It might seem like an oversimplification, however, all the theories like The Big Bang, Black Holes, String Theories, etc, all have the same issue: they treat Space as fundamental and Time as secondary. You'll often hear mainstream physicists describe time as being an 'emergent phenomenon of Space'. They've state the Natural Truth, precisely backwards. Time gives order and meaning to Space, not the other way around.

All 'geniuses' type narratives talk about the 'beginning'. The Jewish and Christian ancient narratives start off with the statement, "In the beginning, God created the heavens and the Earth … " This speaks or time, before space, and God before time. Where most humans cannot makes sense of either timelessness or spacelessness, it gets confusion. However, just conceptualizing the Natural Order can be the 'beginning' of deeper appreciation and understanding of Physical Realty and the naturalness of the Supernatural Realm.

When there is no order, there is chaos. When a human's brain is injured, and they cannot properly order and sequence thoughts, the brain damage is manifested as mind damage; drugs can have similar chaotic effects on the brain and mind. Discerning between the brain and the mind is still something many atheists, determinists and materialist struggle with. They are not the same. The mind is conceptually and temporally connected to the brain, but it is not limited by the brain. More on this, later.

# BREAKING DOWN THE TRUTH ABOUT EINSTEIN'S GR EQUATIONS

In 1915, Einstein came up with a sophisticated set of General Relativity equations. Not many people know enough about the concepts and constants, to fully appreciate and understand these equations, but you can from some very simple perspectives. Please don't tune out because you heard or read the word 'equation'.

To put it simply, Einstein developed 1 equation that has 16 slightly different forms. When simplified, it turns out that 6 of these equations are identical, reducing the number of 'unique equations' to 10. These 10 equations can predict the movements and location of the planets in our Solar System with the most amount of accuracy.

You will often hear people claim that Einstein bested the accuracy of Isaac Newton's equations. Interestingly, all of Einstein's equations contain the symbol 'G' which stand for the 'gravitational constant'. This 'gravitational constant' was the work of Newton, and thus Einstein augmented and refined Newton's equations. It is wrong to assert that Einstein developed equations that made Newton's work obsolete, when he used Newton's 'G' in his 'original' work. Sadly, the term Newtonian is often used disparagingly to describe outdated and wrong concepts.

Another incredibly relevant point is that Einstein's General Relativity equations only work at a mid-scale level. It is known that Einstein's equations do NOT work at the quantum level (level of the very small) nor the cosmic level (the level of the very large). However, since Einstein's equations have taken on such a religious adherence by physicists, physicists have created the concepts of 'dark matter' and 'dark energy' to balance Einstein's equations at the cosmic level. Initiatives are ongoing to fudge concepts and data at the quantum level. In my rarely humble opinion, 'dark energy' and 'dark matter' are literal fudge factors, and will remain so until proven otherwise. Einstein's equations are great at mid-scale, but do not describe the big picture.

# JESSOME TIME vs. POPULAR NOTIONS OF TIME

It should not be too much to ask people to differentiate between a ‘physical object’ and a ‘concept’. A wedding ring is a ‘physical object’ which is often used as an expression of ‘love’ and ‘commitment’. Now, ‘love’ and ‘commitment’ are obviously ‘concepts’ and not ‘objects’. Similarly, with Jessome Time and Jessome Space, we will no longer be treating the terms ‘time’ (change) and ’space’ (volume) like ‘objects’, but ‘concepts’.

Yes, physical change of objects and mediums are observable, however, ‘change’ is a ‘concept’ not an ‘object’ or a ‘medium’. This is no slight shift in thinking. And, the metaphors have NOT been helpful, but misleading. Treating ‘time’ like an ‘object’ or ‘medium’ is wrong. Treating ‘space’ (volume) like to ‘contents of space’ is wrong.

Dr. Michio Kaku, a well respected and world renown theoretical physicist, has repeatedly said that, “The Big Bang gave birth to time.” and “Time evolves.” Again, notions like these are illogical and ridiculous. Time causes all ‘births’, time cause ‘evolution’, and all ‘beginnings’ and ‘ends’ of temporal durations. Kaku treating ‘time’ as a medium. He and others will hide behind the excuse of ‘useful metaphors’ when cornered about their flawed logic.

Kaku is not intentionally wrong, he merely cannot discern between ‘Clock Time’ (an account for change, relative to regular natural motions through a distance) and ‘The Natural Phenomenon of Time’ (the fundamental cause of all physical change). He’s just another example of a WRONG expert, who hasn’t a clue how wrong he is.

Kaku and many other ‘relativists’ and ’Einsteinians’, like to talk about ‘time travel’, which reverses the known relationship of ‘cause and effect’. NPT is the fundamental cause of all motion, thus the cause of ‘travel’. Two ’time travel machines’: a clock that ticks counter clockwise and a clock that ticks three times regular rate. Neither of these ‘time machines’, could possibly have an effect on the Natural Phenomenon of Time.

# TIME DOES NOT EXIST --- TIME CAUSES ALL PHYSICAL EXISTENCE

As we've stated a few times, the NPT of time is the fundamental cause of all change.
This also means that NPT is the ultimate cause of all motion, energy, forces, animation, etc and physical reality.

People talk about 'the flow of time', 'the arrow of time', 'the direction of time', 'speed of time', 'time slowing down', 'time speeding up', 'time stopping', etc. These are all object, spatial and

Some scientists thing that gravity and energy, determine the 'rate' of time.
Time cause rate! When you know this, the language, metaphors and common thinking becomes juvenile, illogical and nonsensical. The Relativists and Einsteinians can hide behind the misapplication of what is know as the Lorentz Transformation, and all the advance mathematical equations they want, but they cannot hide from logic, the truth and the

Time flies when you are having fun ??? The perception of time, is not in line with the concept of time, which give rise to physical reality. Literally, the NPT allows for flight. Again, metaphors are confusion.

Loose speech vs. precise speech. People get annoyed when you correct their inaccurate speech. An annoyance is when I hear, "It's the same thing as …" It's not. It's merely similar. "Everyone knows … " No. Some people know, the majority of people know, a minority of people know, experts know, etc.

Time isn't motion! Time is the cause of motion!

# WE NEED TO STOP DEFINING TIME IN TERMS OF SPACE

I've written volumes on how 'metaphors' and 'wrong descriptions' obscure our understanding of time. You'll often hear terms like 'timeline', 'point in time', 'flow of time', 'movement through time', which treat 'time' like an physical object, physical medium or mathematical geometrical construct. These 'metaphors' can be useful, but at the level of deep fundamental understanding, they are misleading. We actually need to change language.

In the spirit of brevity and truth, it suffices to make it known that fundamental and geometrically, it is more accurate to define 'space' or 'spatial constructs' in terms of 'time', vice-versa, which is currently the case.

With our new and more accurate Jessome perspective of NPT, being the 'cause of all physical change', we think of the two fundamental states of 'nothing' and 'something'. We can think of 'nothing' compared to a 'point', 'nothing' compared to a 'line', 'nothing' compared to a 'plane', 'nothing' compared to '3-D space', and 'nothing' compared to the 'physical reality' we all experience. Lots of 'supposed things' are 'not things'.

Break down the word 'nothingness', to 'no thingness'.
Both 'time' and 'space' are 'not things' in the sense of 'objects'.
The 'contents of 'space' is the beginning of 'thingness'. At both the quantum and cosmic scales, all subatomic particles are in motion and subjected to known, little know and unknown forces.

I go into greater detail in this, in my other longer works.

# HARTLE-HAWKING NO BOUNDARY PROPOSAL IS CLEARLY WRONG

Source Wikipedia: “In theoretical physics, the **Hartle–Hawking State**, named after James Hartle and Stephen Hawking, is a proposal concerning the state of the Universe prior to the Planck Epoch. Hartle and Hawking suggest that if we could travel backward in time toward the beginning of the Universe, we would note that quite near what might have otherwise been the beginning, time gives way to space such that at first there is only space and no time. Beginnings are entities that have to do with time; because time did not exist before the Big Bang, the concept of a beginning of the Universe is meaningless. According to the Hartle–Hawking proposal, the Universe has no origin as we would understand it: the Universe was a singularity in both space and time, pre-Big Bang. Thus, the Hartle–Hawking state Universe has no beginning, but it is not the steady state Universe of Hoyle; it simply has no initial boundaries in time nor space.”

To be clear, I am not advocating any form of a Big Bang model of the universe being accurate, logical, rational, reasonable or provable. What I am suggesting is a simple and logical correction of the current Big Band model, which would be somewhat more logical, but cannot be proven to be true.

Derived from Einstein’s General Relativity theory, Edwin Hubble’s theory, Georges Lemaitre’s theory and the multitudes of academic work, which have lead to our current ‘academically accepted’ knowledge, physicists now assert that they know that ‘time’ (which they fail to define) is an ‘emergent phenomenon’ and dependent on velocity and the force of gravity. Gravity and velocity

The NPT enables the transition from ‘nothingness’ to ‘somethingness’ and ‘everythingness’.

# HAWKING, HARTLE & BIG-BANGERS MODELLING IS CLEARLY WRONG

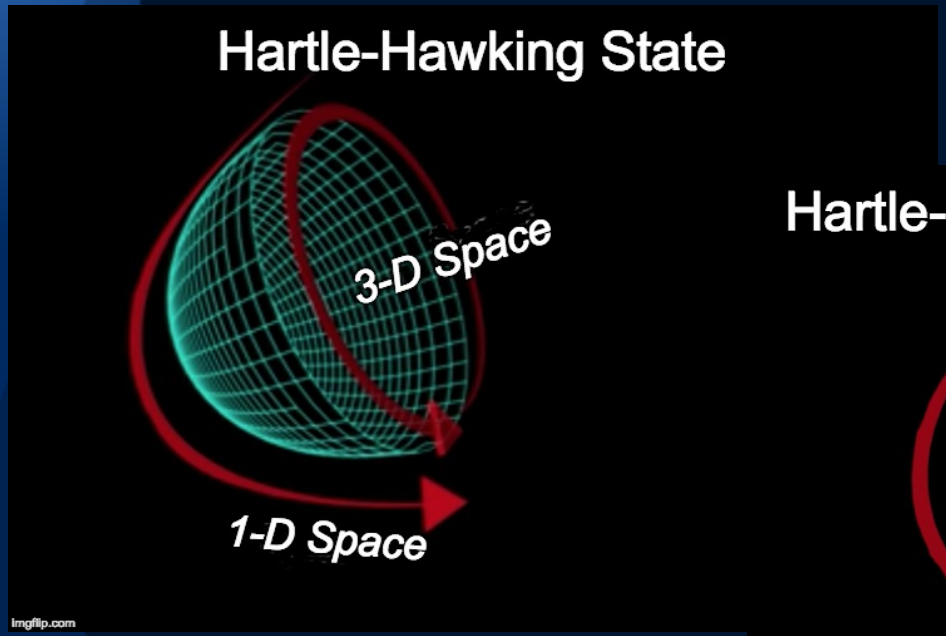
At this point, if you are still awake, you may be wondering what all the fuss is about, or, more specifically, you might be asking yourself, “Why is it important how we model ‘time’ in relation to ’space’, in the proper order?” In some case order is not important, but other times, as in Nature, order is imperative. The order of ‘time’ and ‘space’ is fundamentally important in our understanding of Nature and the Universe.

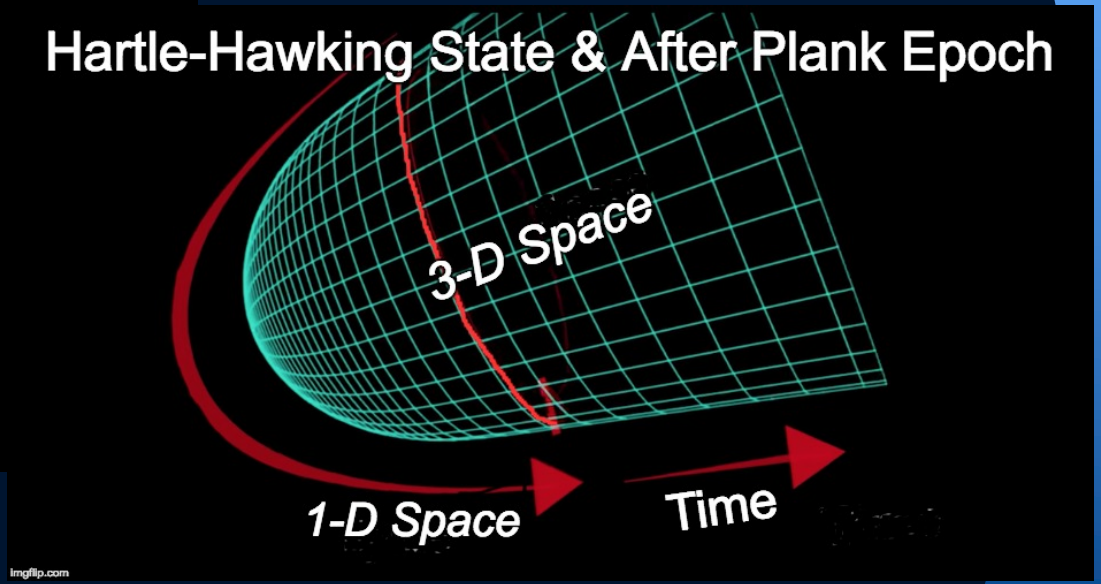
Most likely because of the bias promoted by Minkowski Space, where time is positioned in the fourth dimension and space is primary and fundamental, and for a number of possible reasons, what is know called The Big Bang Theory asserts that space came into existence first, and then time came into existence. You will hear physicists say that ‘time’ is an emergent phenomenon of space. They have it backwards. The content and forces within space, are emergent phenomenon of ’time’.

Without the benefit of discerning between Jessome Time (or the Natural Phenomenon of Time) and Clock Time, physicists will continue to have serious issues appreciating and understanding Nature and physics.

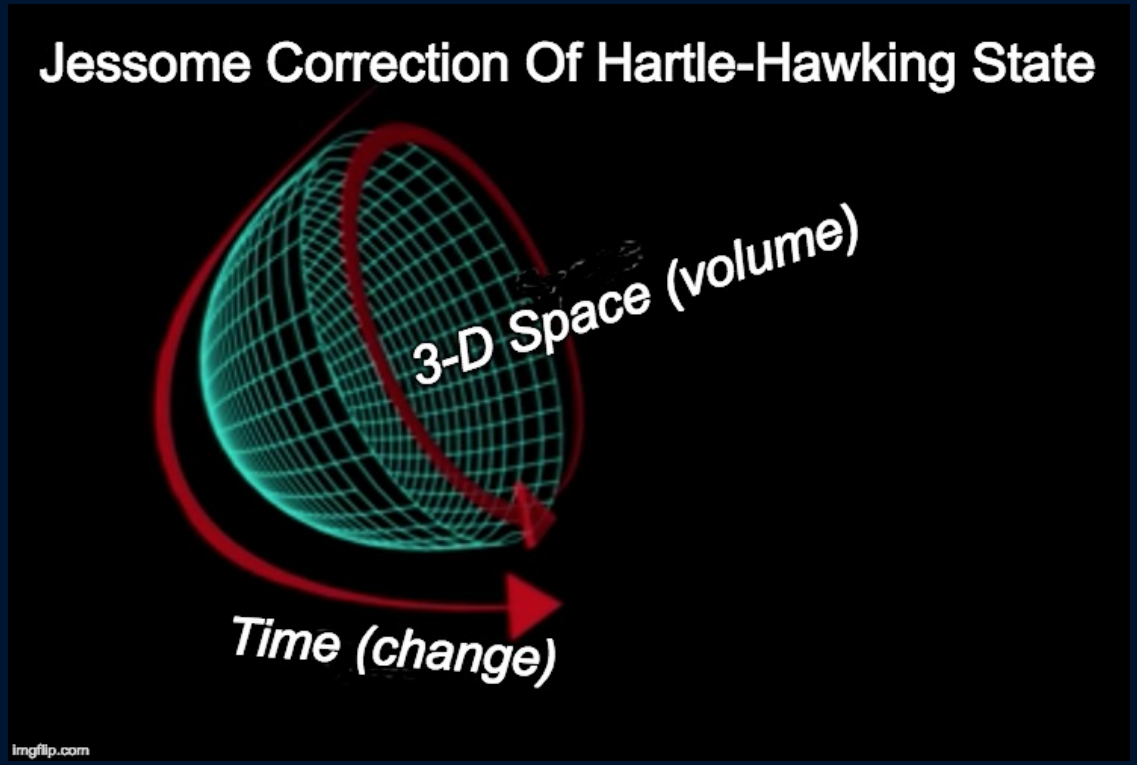
In the following theoretical 2-D diagrams (for lack of a more accurate description), the 2-D ‘disk’ is used to represent 3-D space, and there is initially a $4^{th}$ spatial dimension that just turns into ‘time’. There is truly no sound logic to Hartle and Hawking’s No Boundary State Proposal; in fact, it completely defies logic.

# HARTLE-HAWKING NO BOUNDARY PROPOSAL FOR BIG BANG THEORY

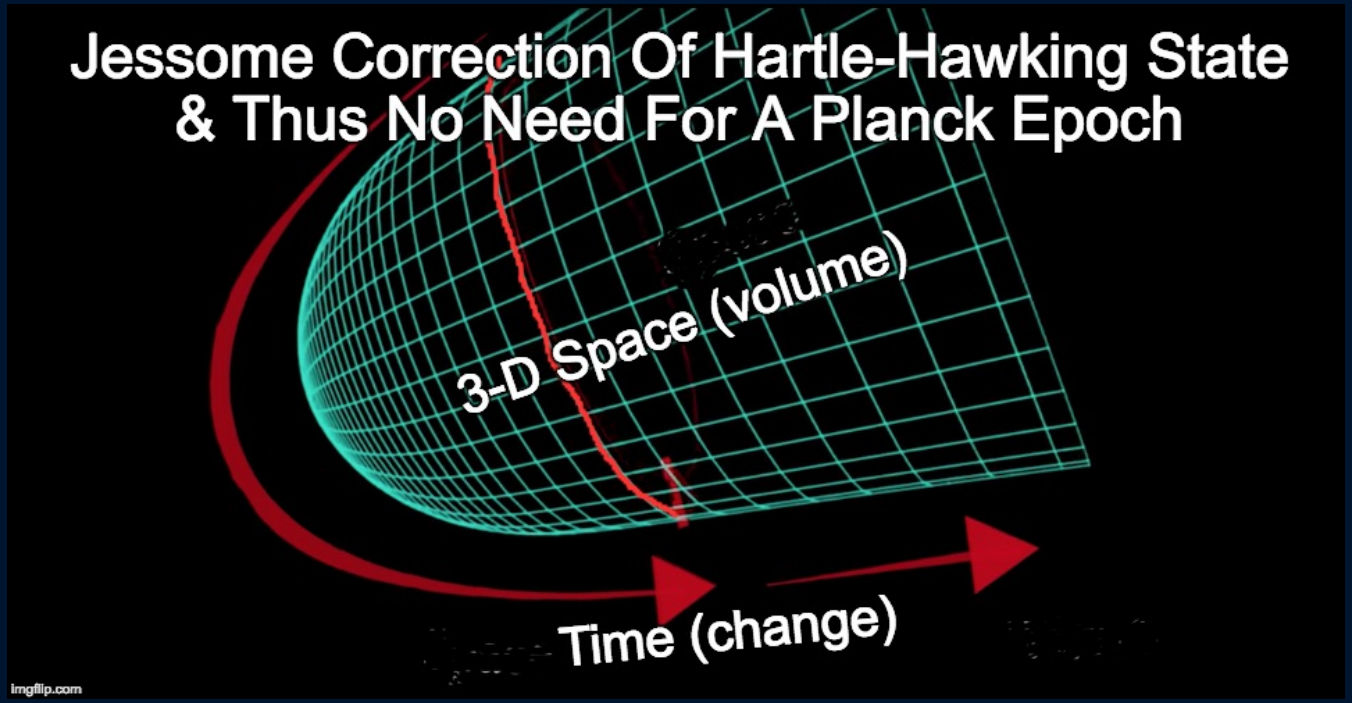


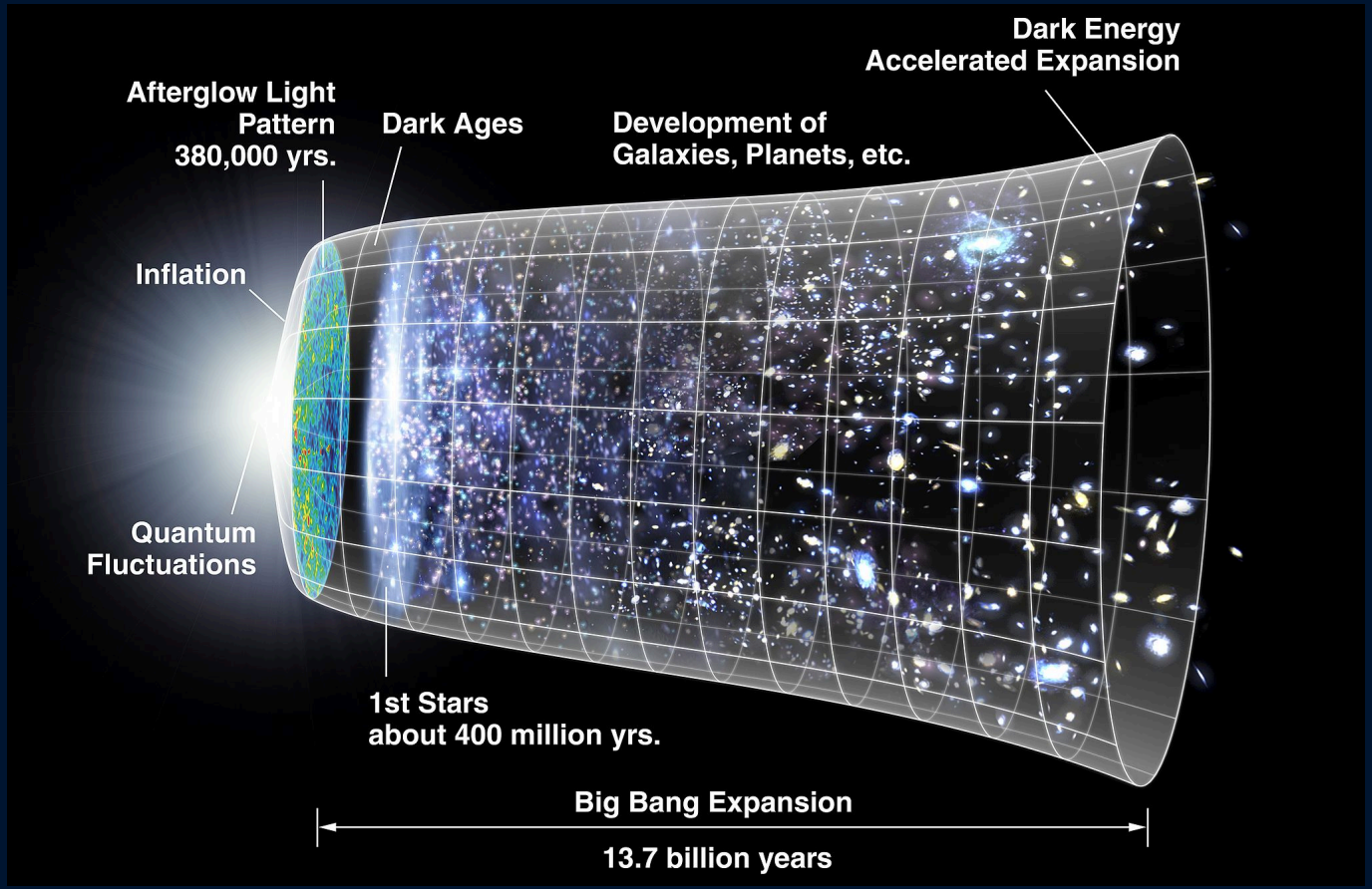
# JESSOME CORRECTION OF HARTLE-HAWKING NO BOUNDARY PROPOSAL



# JESSOME TIME-SPACE CONTINUUM INVALIDATES PLANCK EPOCK



# EXPLAINING BIG BANG THEORY DIAGRAM



# COMPARING HAWKING & JESSOME NARRATIVES

Stephen Hawking's Narrative: Once upon a non-time, there was no space or time, there was a singularity or nothingness, then roughly 13.8 billion years ago (because, if you are going to push a narrative, it's nice to have numbers to make it sound more believable) space came along, then, later (illogically) time came along. I have no evidence to support this order. Just believe me. Once upon a time there was space, then, after (which implies time passing of time) time came into existence.

* Of course the above statement would sound insane, and false, if you have not read the previous slide.

Joseph Glenn Jessome's Narrative: It seems logical, mathematically valid, physically valid and reasonable, that Time (change) always was and always will be. Time (change) creates reality and existence. Time does not exist, it allows for things and non-things to exist. It seems logical, mathematically valid, physically valid and reasonable, that Space (volume) always existed and will always exist. However, contemplating the possibility of one, without the other, or which concept is primary and more fundamental, it makes more sense that Time (change) would be necessary for Space (volume) and the contents of Space (aether). Don't believe me. Draw your own conclusions base don the best, most logical and most reasonable information you can access.

* Many issues come from treating Time (change) as spatial and material. Physicists have a material bias.

From my perspective, I don't think consciousness or love, 'only' occupy a place in one's heart or brain; they are metaphors. Information does not require an organ which occupies space, however, in order for information to not be simply chaotic or random, temporal order (i.e Time (change)) is required. Music, and all expressions of thoughts and feelings are more temporal based, than spatially based.

# SPACE IS NOT RELATIVE – POSITIONS IN SPACE ARE RELATIVE

Similar to how Special Relativists are wrong about ‘time’, General Relativists are wrong about ‘space’ and ‘gravity’ too. The confusion with treating ‘space’ with ‘the contents of space’, can be cleared up with the statement, the ‘contents that fill the volume of a container’ are not the same as the ‘volume of the container’.

Empty space is NOT visual, it can only be conceptualized. When you are looking at Space, through a telescope, you are looking at light reflecting from the ‘contents of Space’, not Space itself. With radio telescopes and other ‘detectors’, you are still acquiring information and data from the ‘contents of Space’, not Space. Empty Space is a conceptualization, and nothing that can be realized. Empty Space does not bend, contract or expand, as General Relativists claim.

As we have asserted and proven NPT does not ‘dilate’, we also assert and logically prove that ‘Space’ does not ’stretch’ or ‘contract’. The ’contents of Space’ can indeed stretch and contract, but not Space itself. That notions that time can ‘dilate’ (treating it like a solid or medium) and Space can ‘expand’ or ‘contract’ (like a solid or medium). Once you comprehend the errors in mainstream physics, and mainstream notions of time, you cannot easily forget them, nor go back to the old way of thinking.

You do not have to believe anything I said or wrote.

In fact, I would prefer you not believe anything. Use logic, to determine what is true and untrue.

Thanks for your attention and time.

It’s been great spending some creative time with you. I hope you enjoyed it, as much as I know I did.

Time waits for no man.

Lost time, is never found again.