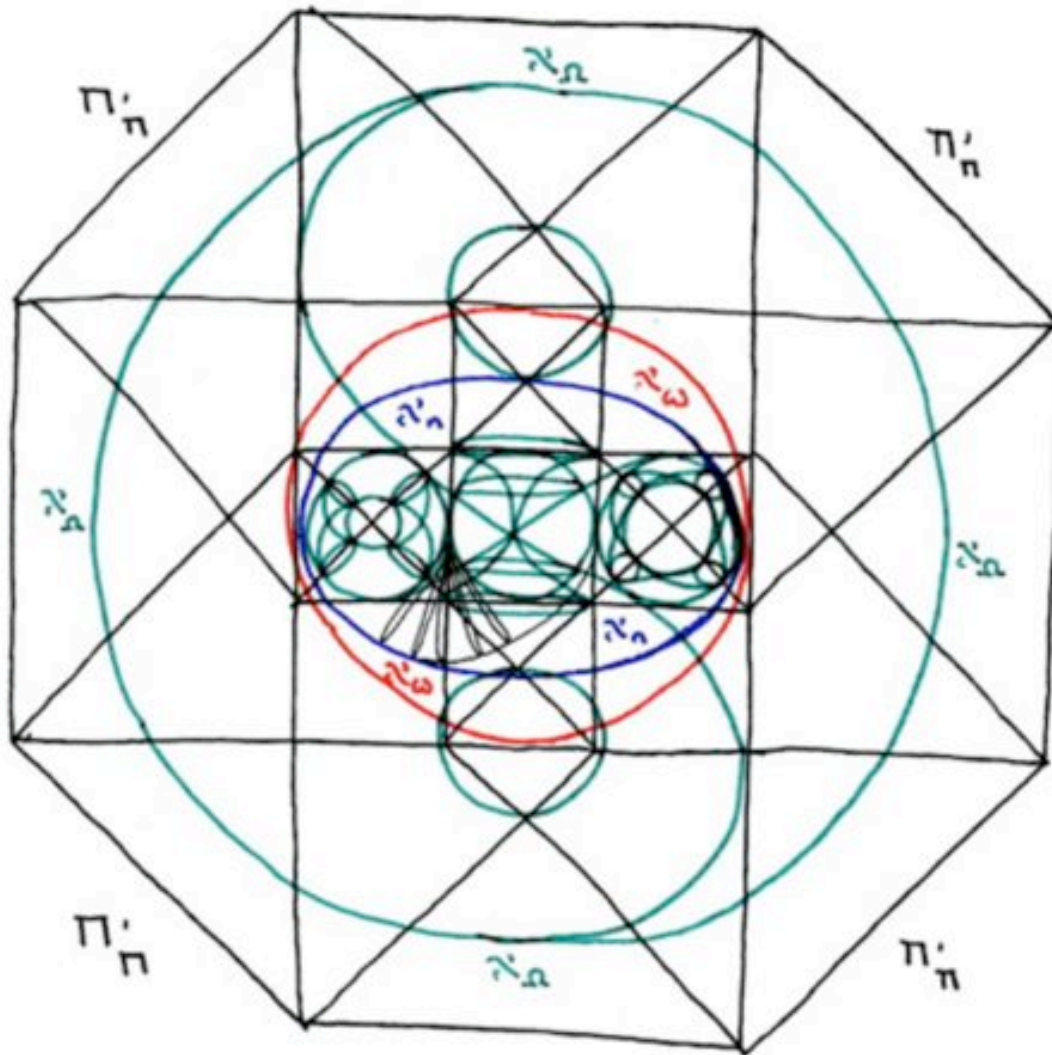


notebook 3

2002 - 2004



(2013 e-book edition)
by: Jonathan Barlow Gee

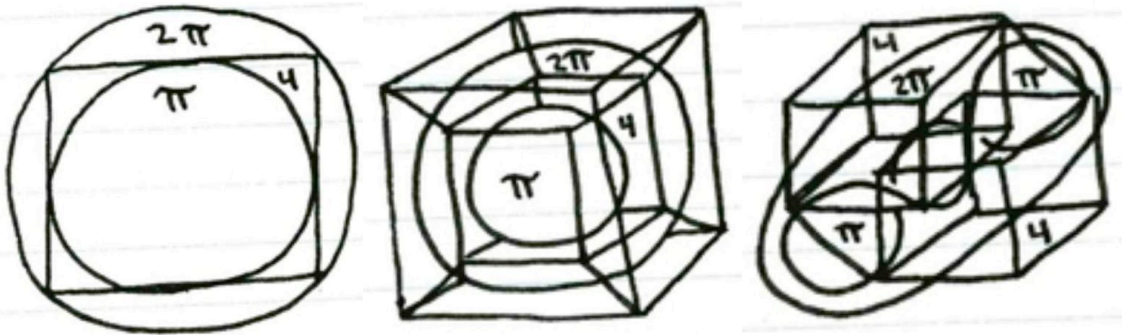
notebook 3

2002 - 2004

(2013 e-book edition)

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this: May 10, 2013.



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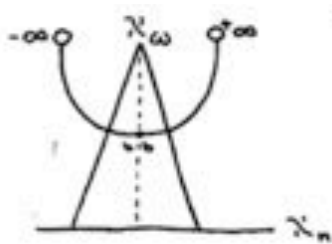
nb3.A2:: math / words

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insanity clause #23:

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nb3.1:: preliminary thesis



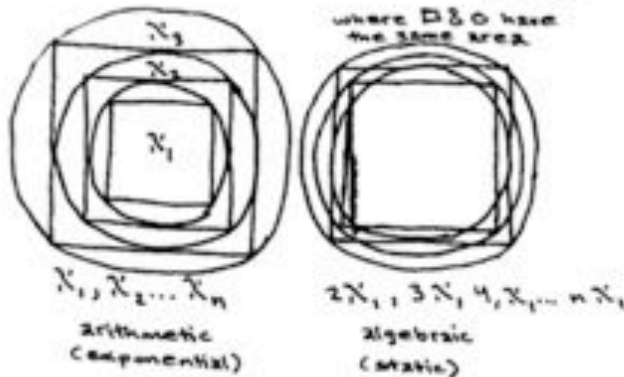
This is the lightcone history of the X_n toroid, where it is expressed as the geometry "wave" (X_0) / the toroid (X_n), as sum history (Φ/π). The arc is to measure the lesser ∞ of potential local universes, where the mid-point (bb) represents any number that can appear in n as the "big bang" of a new baby local universe with (+) elemental force(s) and (-) dimension(s). This shows that, between $-\infty$ & $+\infty$, any number n can have a 1:1 correspondence (bb) under ω conditions.

ω Conditions

means that there are at least two directions of motion, perpendicular to each other, for the flow of the continuum (given as c). This relationship ($E=mc^2$ in the 4-D local universe), is written mathematically for the multiverse as $\sum X_n + 1$ (or as n^X_n) and for the X_n toroid as $X_{\omega 4}$ (or as $n X_{\omega n}$ for its light cone)

$$[2 X_0 = X_1] < 2 X_1$$

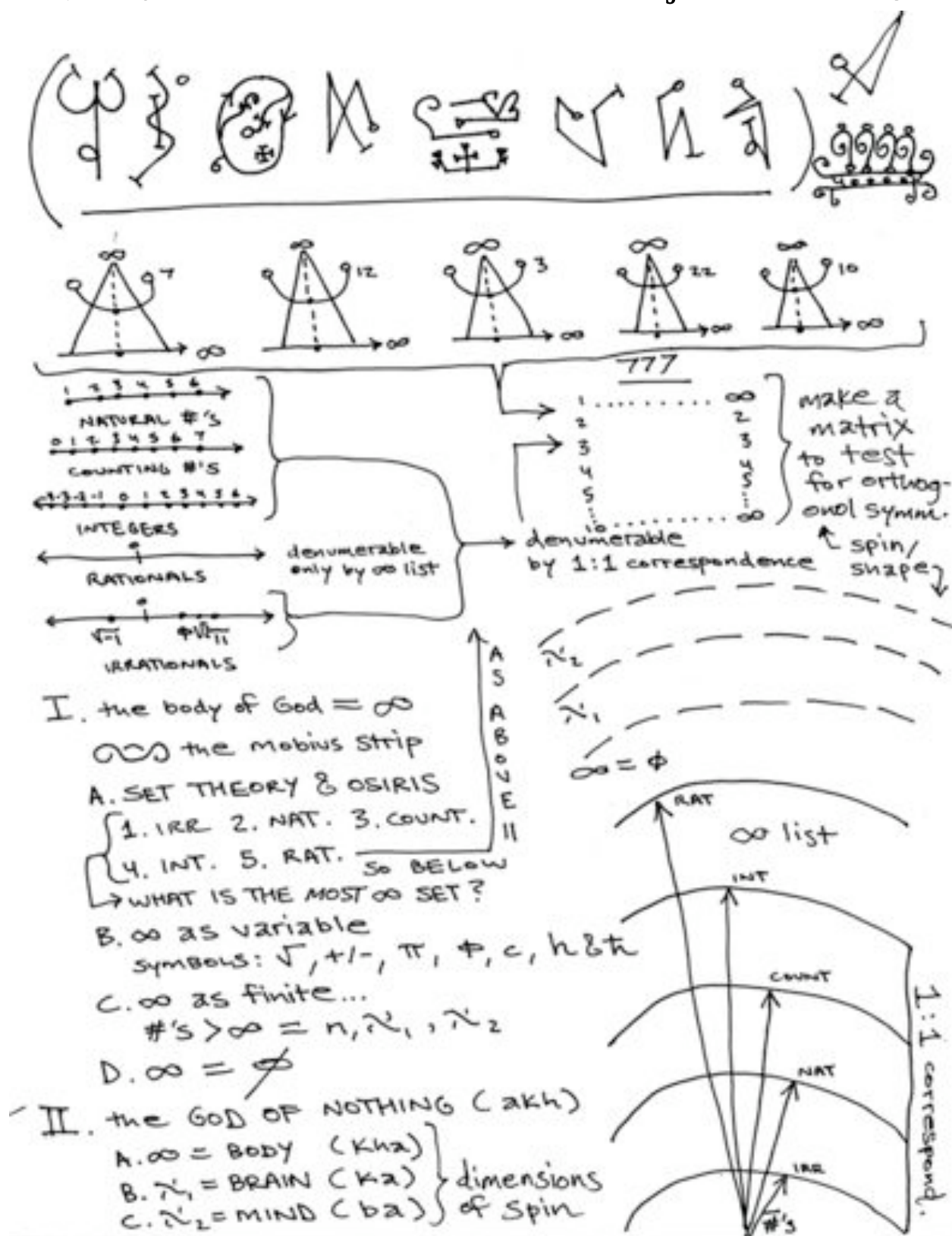
if taken as sets, where X_0 represents $[-\infty + \infty] = \emptyset$, then if $\emptyset$ acts as a set theory place holder (like an empty electron orbit between occupied shells) just as 0 acts as a place holder in number theory, two times the set will equal the next size set, e.g. $2 X_0 = X_1$, where the sets progress quantitatively, e.g. $X_1 < 2 X_1$ or $X_1 < X_2$. The real question is what is the difference between $2 X_1$ & X_2 ? Here is a diagram:

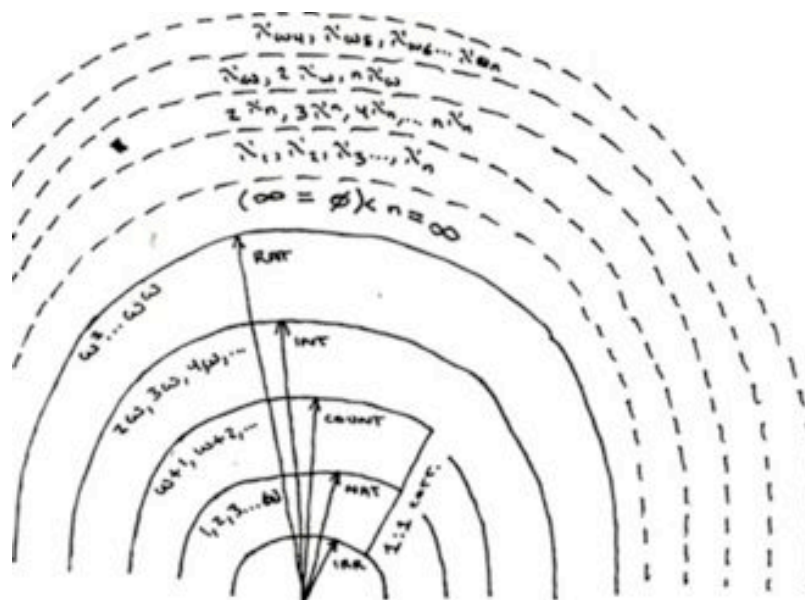


Since the ratio of the algebraic sequence is the same infinitely, it is infinitely reducible & for each dimensional level, the multiplicative factor can be disregarded, expressed as the same line. i., essentially, $n X_n = X_n^{+1}$, since the exponent is the determinant:

$$2 X_1 = X_2, 2 X_2 = X_3$$

This measures the expansion in area of the geometric expansion of X by exponent.

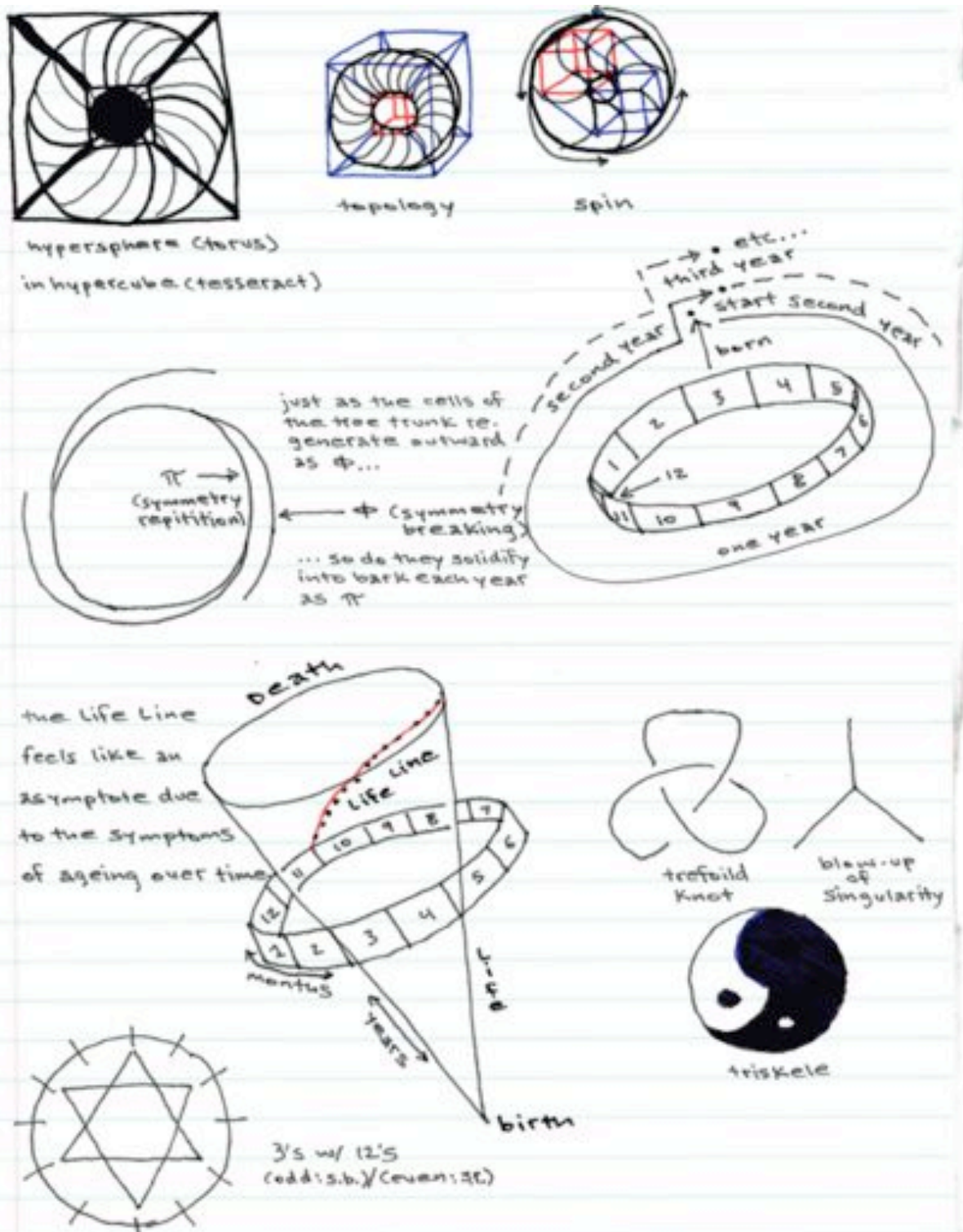


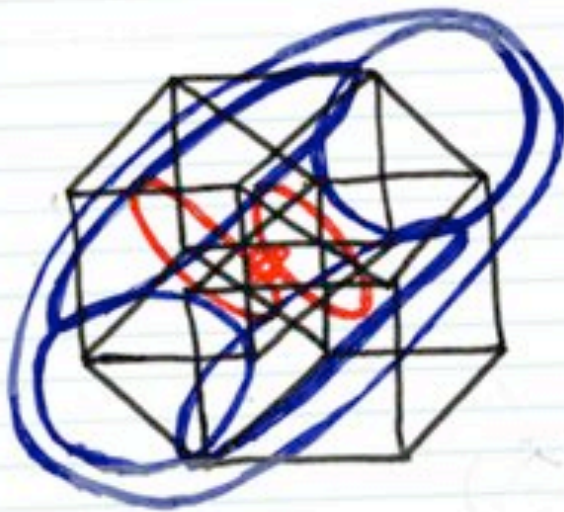


there are variegated levels of infinity. The lowest (irrationals) includes only transfinite #s such as $\sqrt{2}$, $\sqrt{5}$, π , e , c , h , δ , $\hbar$. It can be proved that this set possesses a 1:1 correspondence with the sets of natural numbers (non-zero, positive integers) & counting numbers (positive integers and zero), but common sense tells us that not every given number is irrational and that zero has quantifiable value as a place holder. Next came the integers (positive, negative, and zero), then the rationals (which also include fractions).

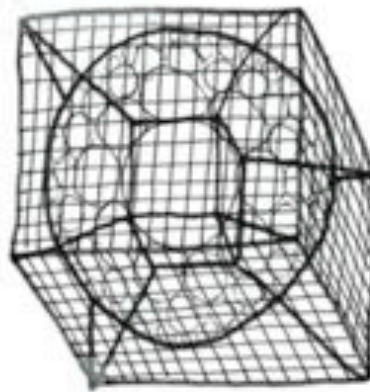
Beyond these numbers, which are equivalent in set theory to different sets of sums, multiplications and powers using ω (omega) as the symbol for the highest letter variable value past any given number (n), there are different transcendent infinities based entirely on variable letter symbols, such as ∞ (infinity), $\emptyset$ (the 'null' or empty set), $\aleph$ & $\aleph$ (transinfinity) as well as n & ω . The first of these types of shells shows us that an infinitely empty set is less than any given number, and therefore equal to zero as the origin point. Beyond this is the $\aleph_n$ set or transfinite set of n dimensions, and beyond this is its multiplicative set. There is no additive, or sum, set, because $\aleph_0 + n = \aleph_0$. This is because $\aleph_n$ is a set & n or $-n$ represents a single co-ordinate vector, or local gauge displacement. The multiplicative set ($2^{\aleph_n} \dots n^{\aleph_n}$) defines co-ordinate space in which for such a vector to allow movement of a local neighborhood. Above & beyond this are the variable powers & their multiplicatives. Here we see the theory for set vector is given by the continuum hypothesis: $2^{\aleph_0} = \aleph_1$; & by the generalized continuum hypothesis: $2^{\aleph_\alpha} = \aleph_{\alpha+1} \dots (n^{\aleph_\omega} = \aleph_{\omega+1} \dots \aleph_n)$. This accounts for a neighborhood sheet upon which localized vector can be calculated. Finally (to date), we have $\aleph_{\omega_1}$ set, which translates in lay-man's terms to a transinfinite continuum, with a transfinite dimensionality, that casts a shadow which is at least fourth dimensional, and at most, (n) , equal to infinity. This is the lattice manifold on which the neighborhood sheet of co-ordinate vector set transformation occurs, yet it is still only representational of something beyond physical conception and altogether intangible.

$$\begin{aligned} \text{space/time} &= \text{time dilation} / \text{space dilation} & \therefore \text{space} &= \text{time dilation} \\ \text{time/space} &= \text{space dilation} / \text{time dilation} & \therefore \text{time} &= \text{space dilation} \end{aligned}$$



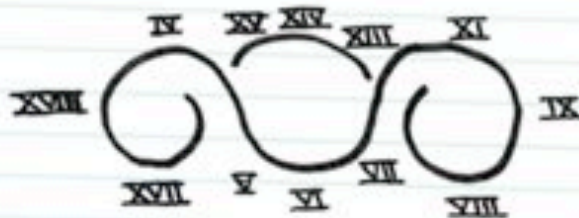
the torus & the
tesseract



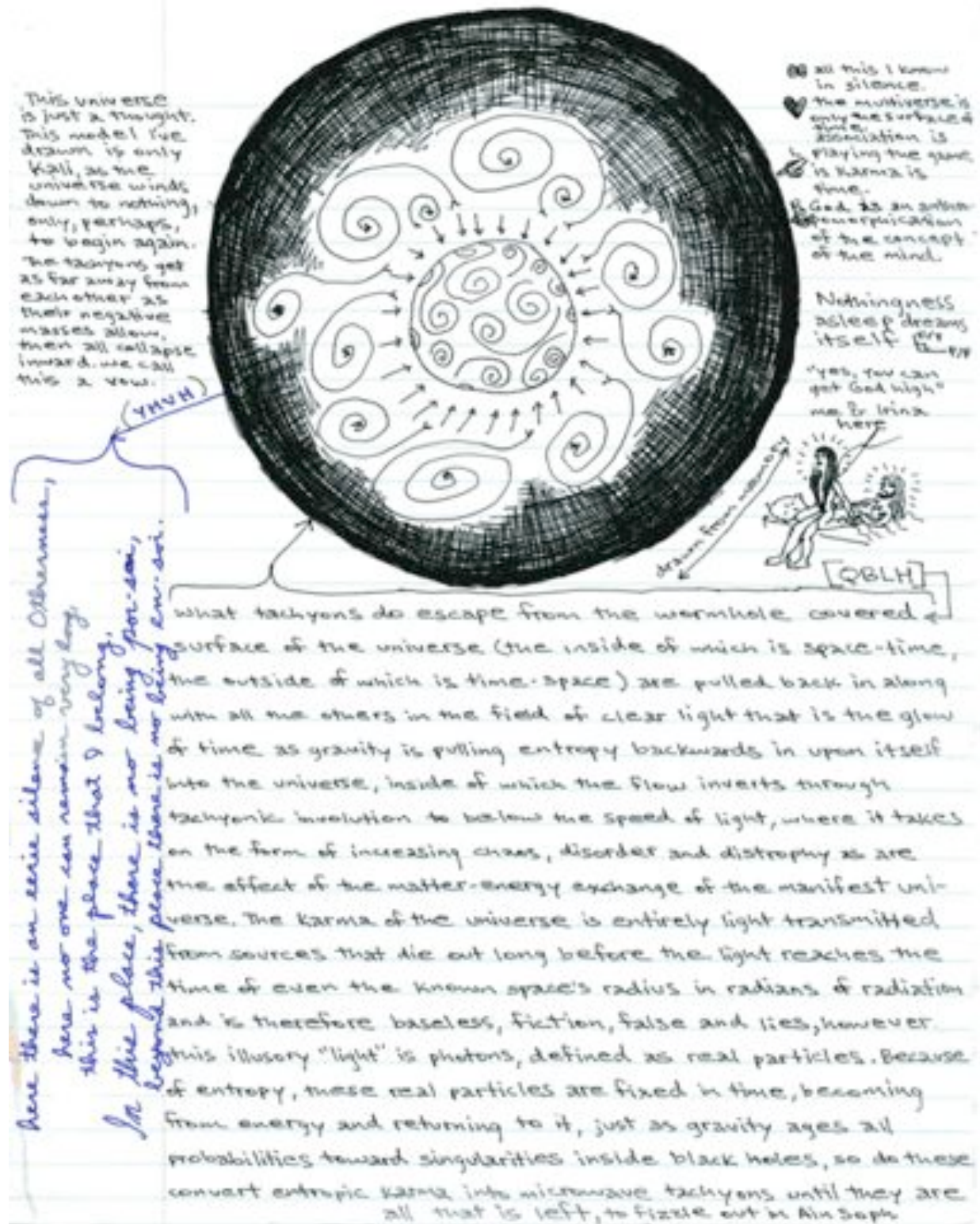
re: the right proper
Euclidean system

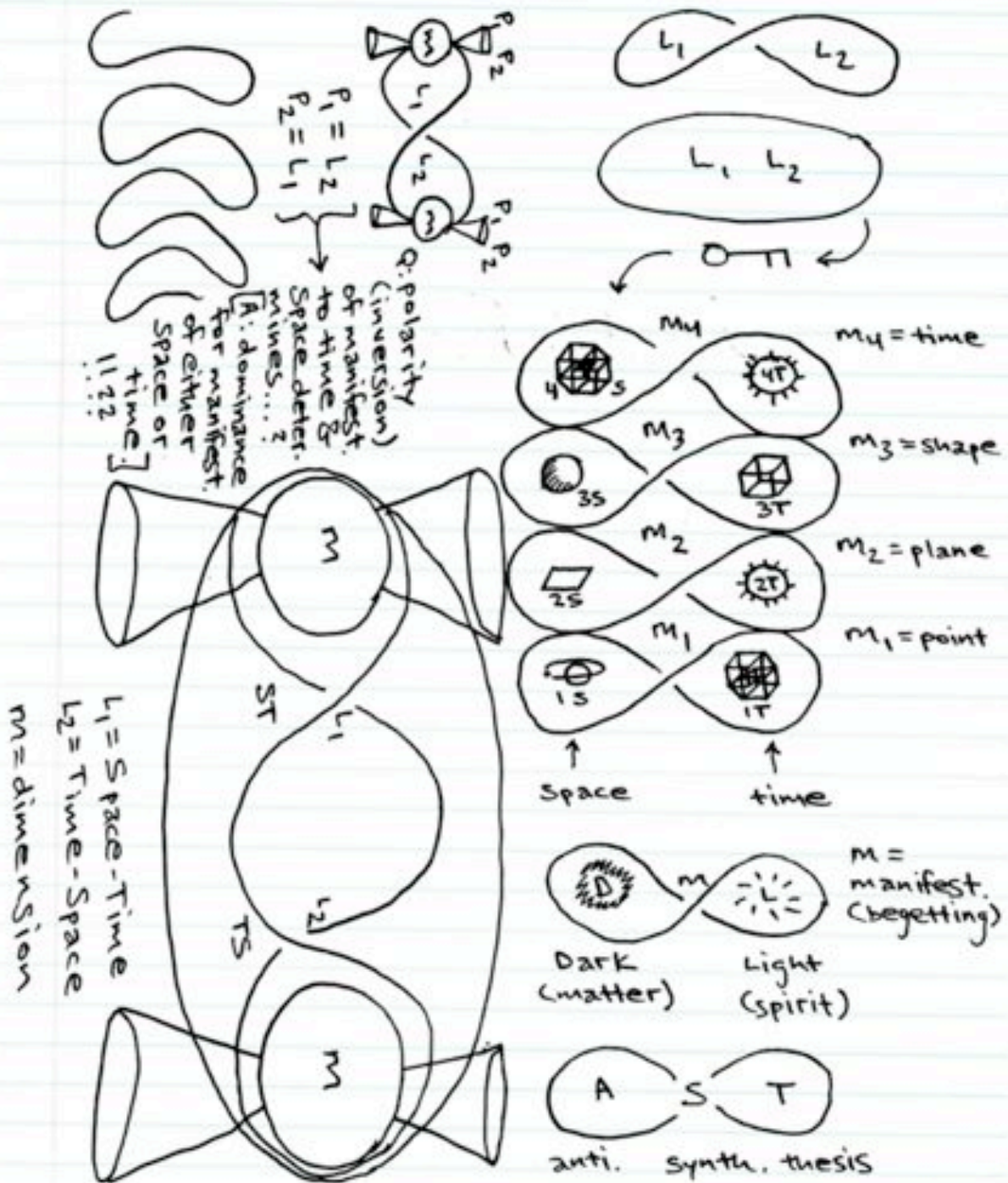


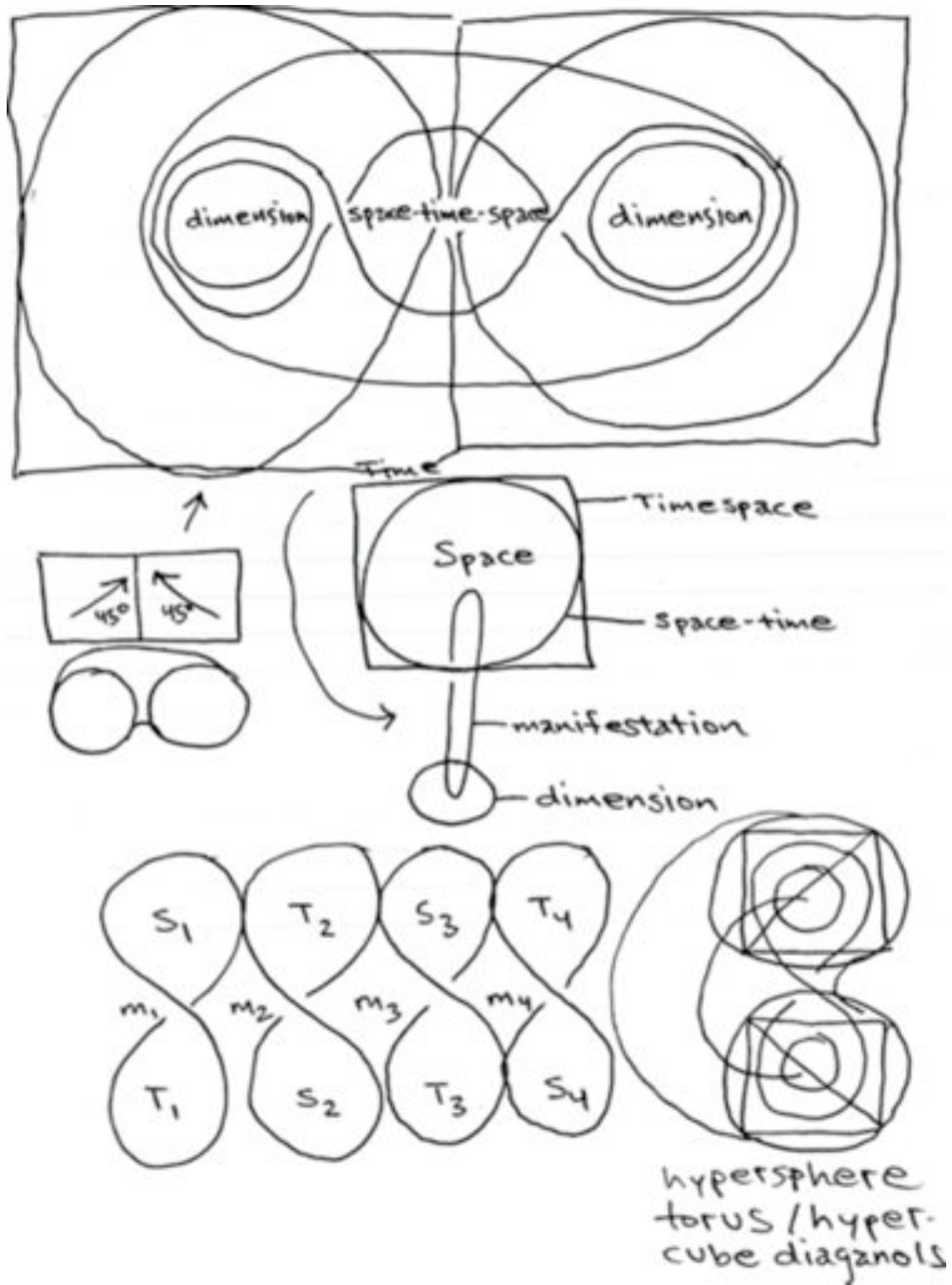
the torus manifold

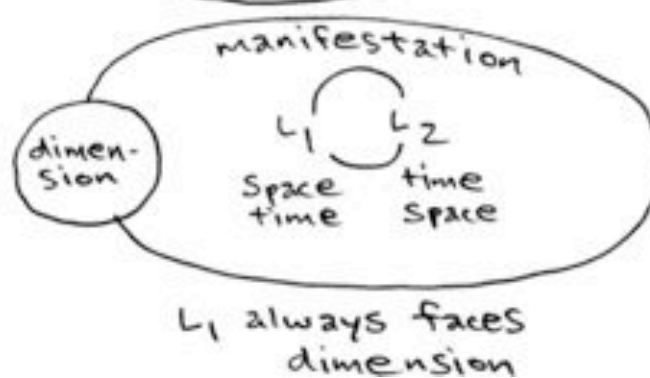
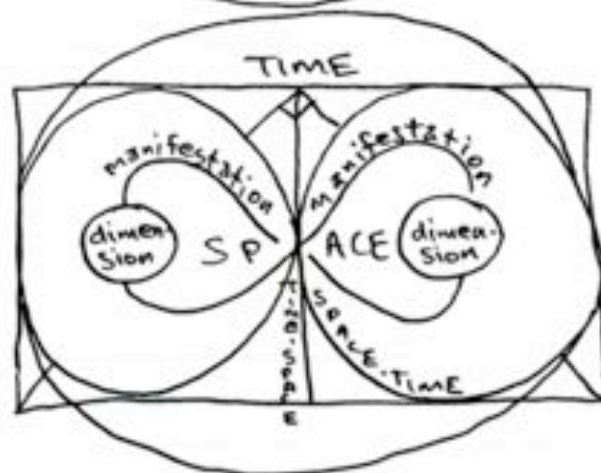
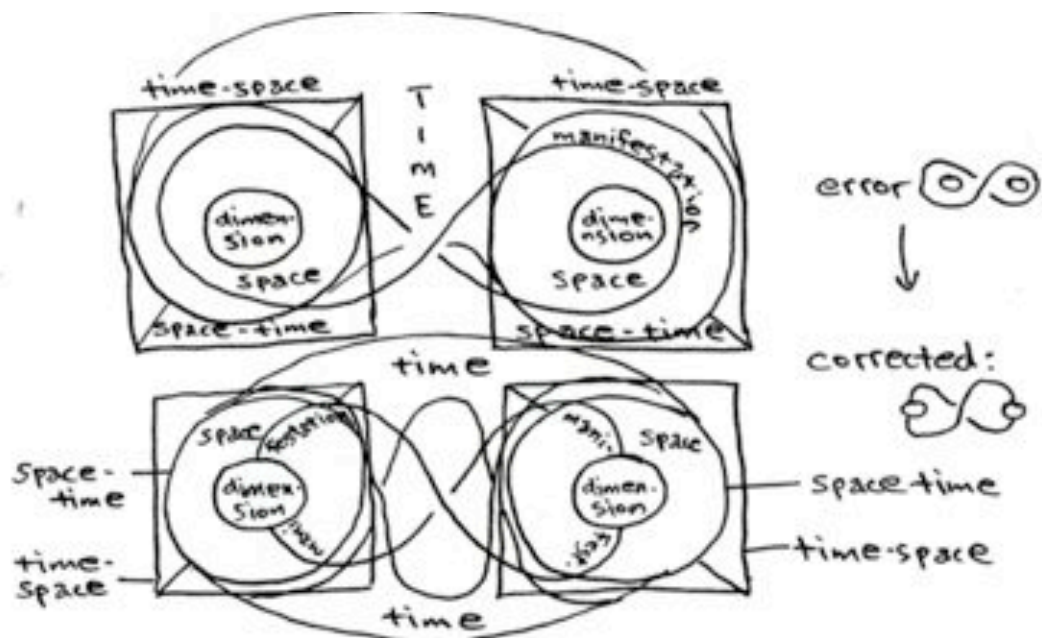


the pieces of trumps

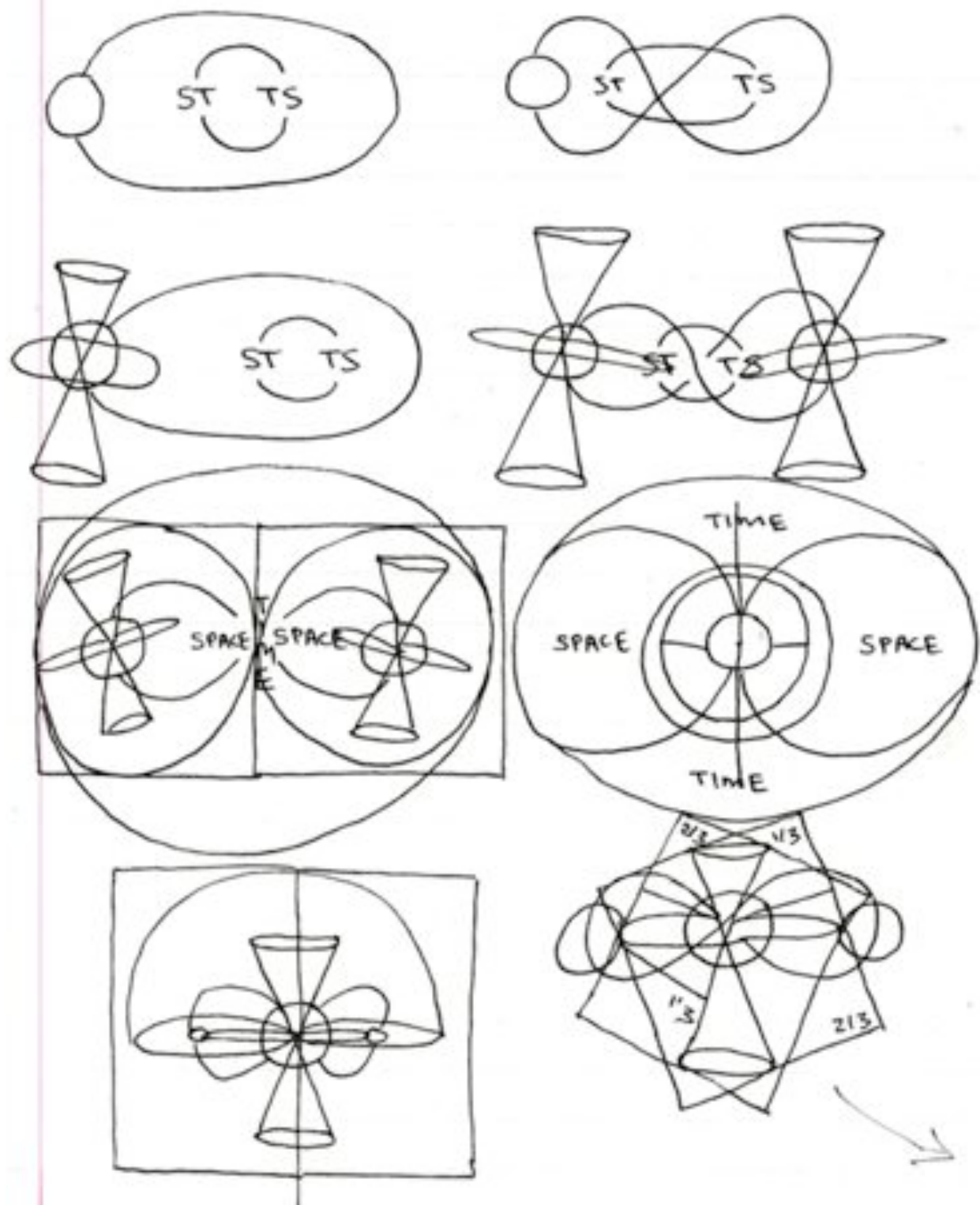


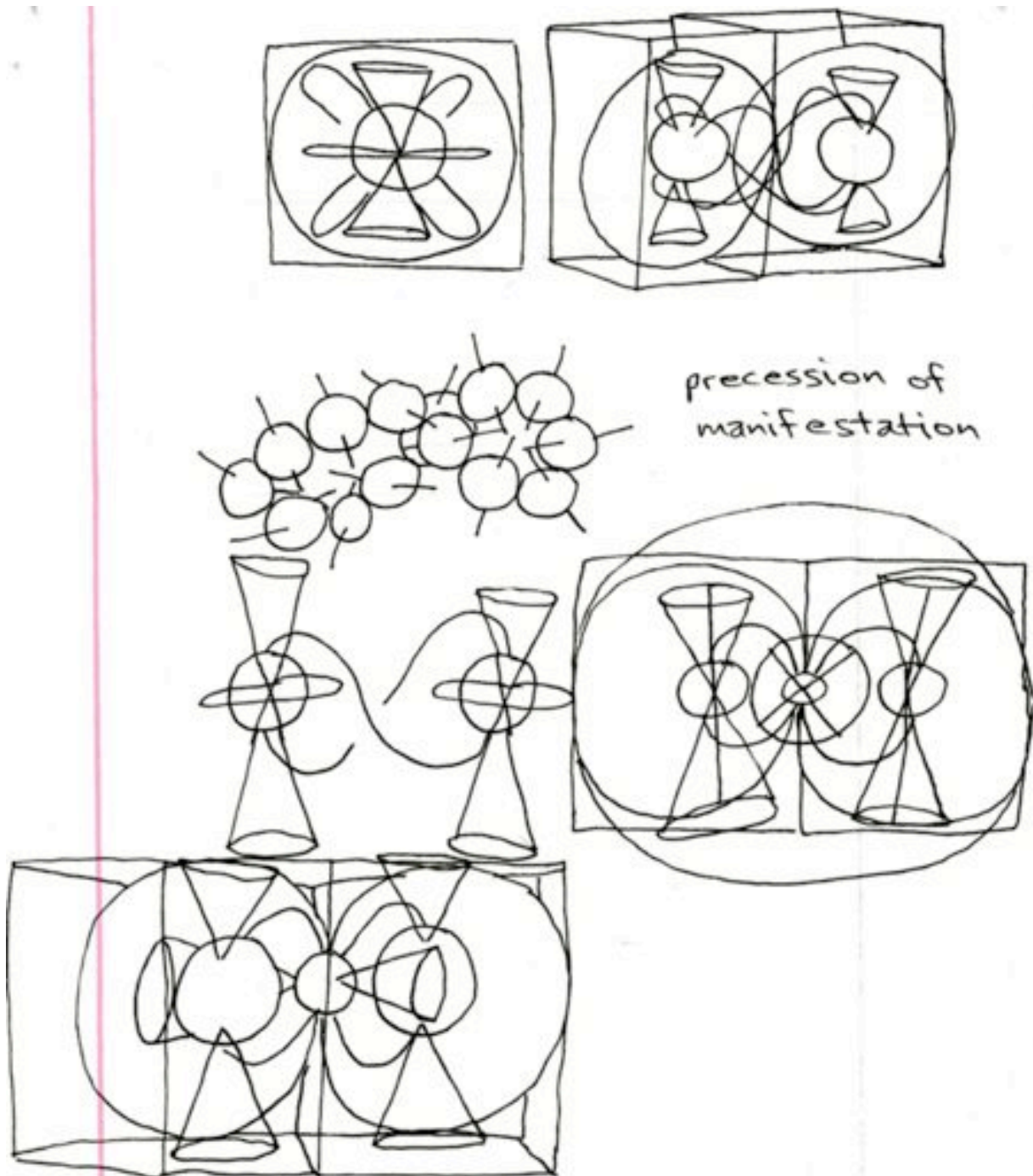


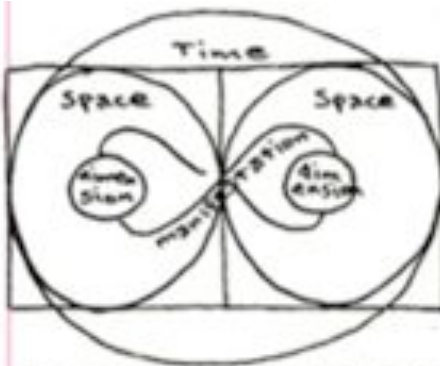




manifestation is the shadow cast by dimension. Dimension is the shadow cast by space. Space is the shadow cast by time. Time is the shadow cast by manifestation. God is above & beyond & is the source of the Light.



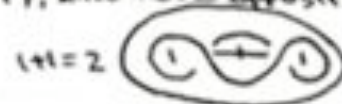


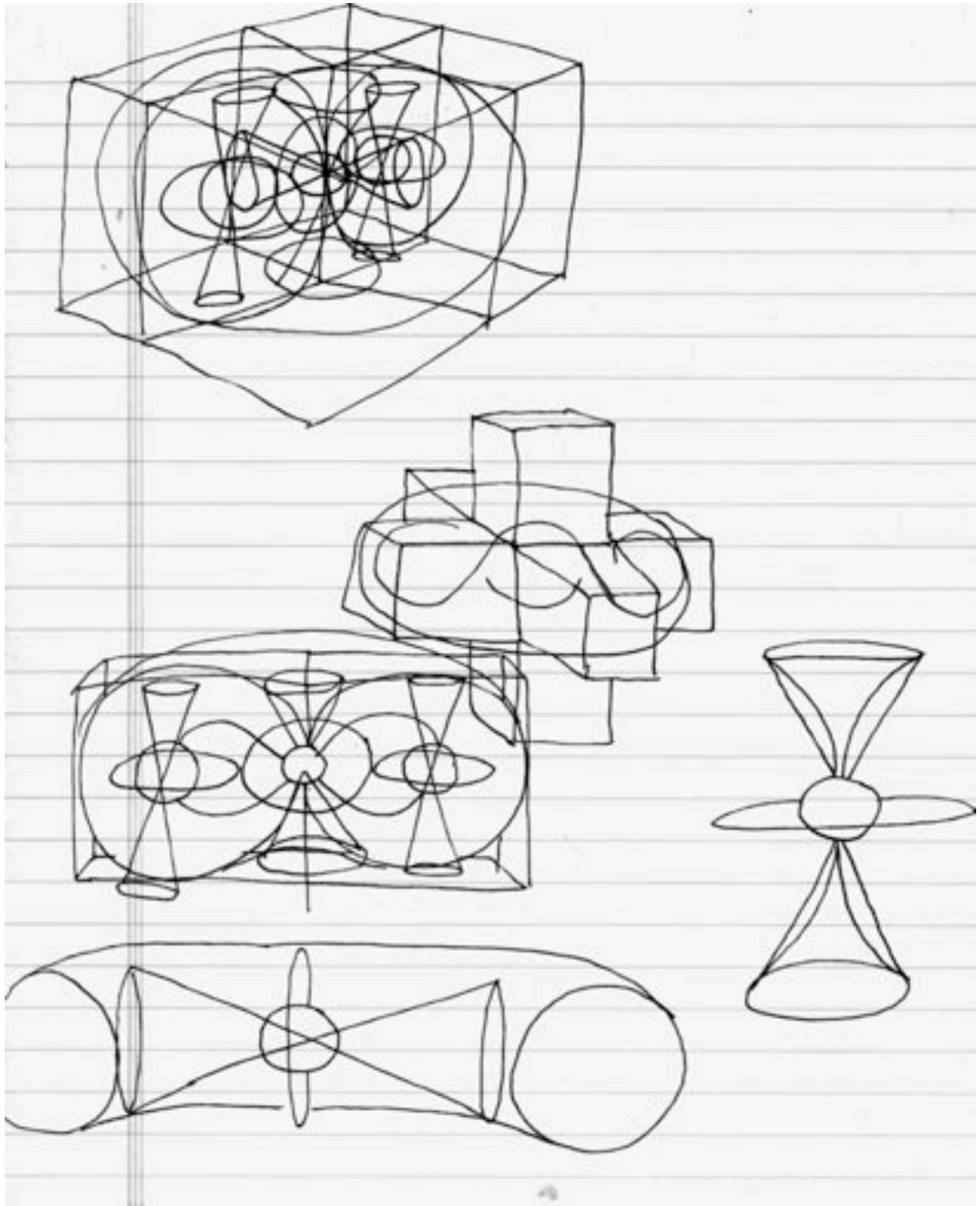


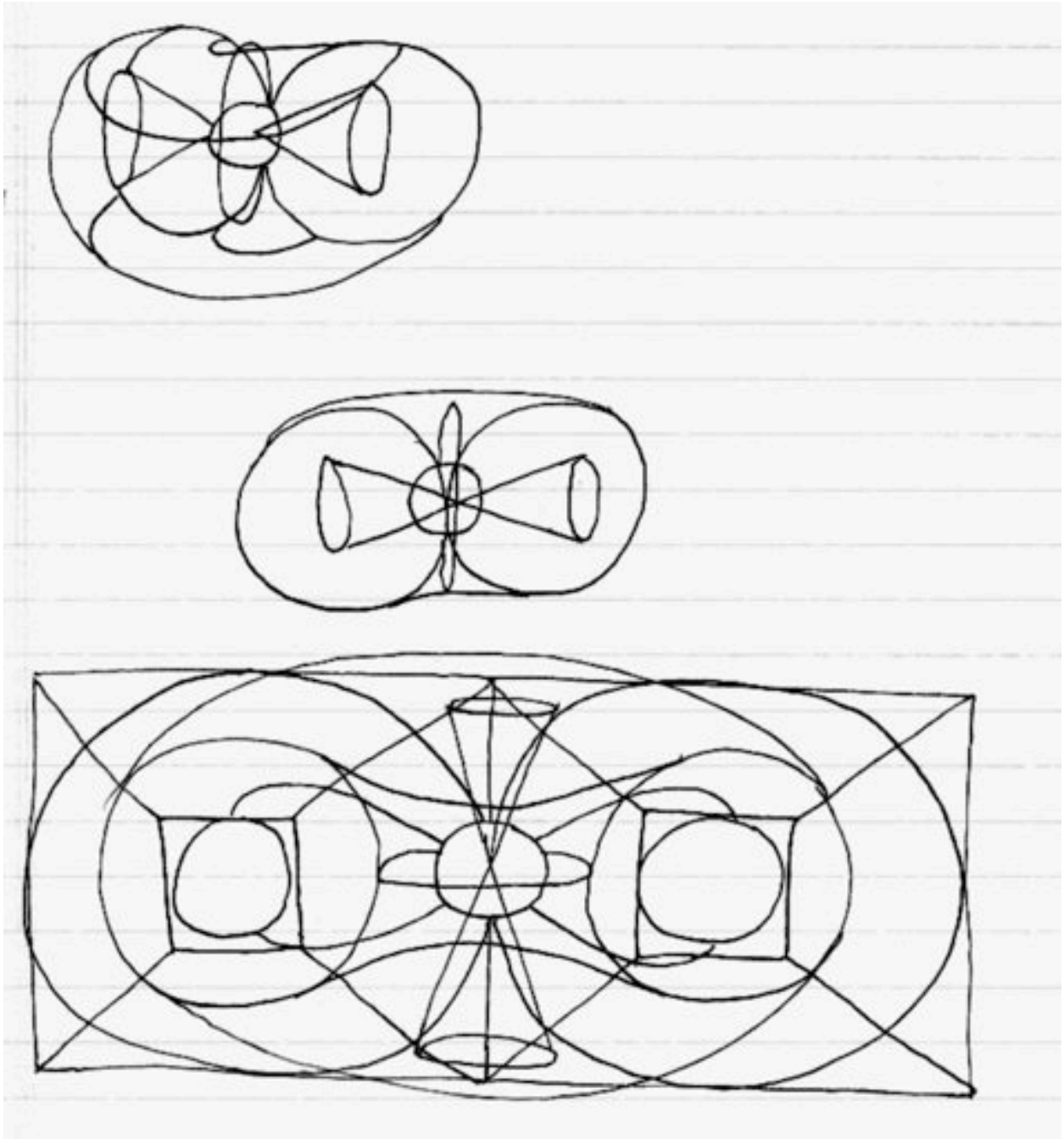
the conservation of dimension

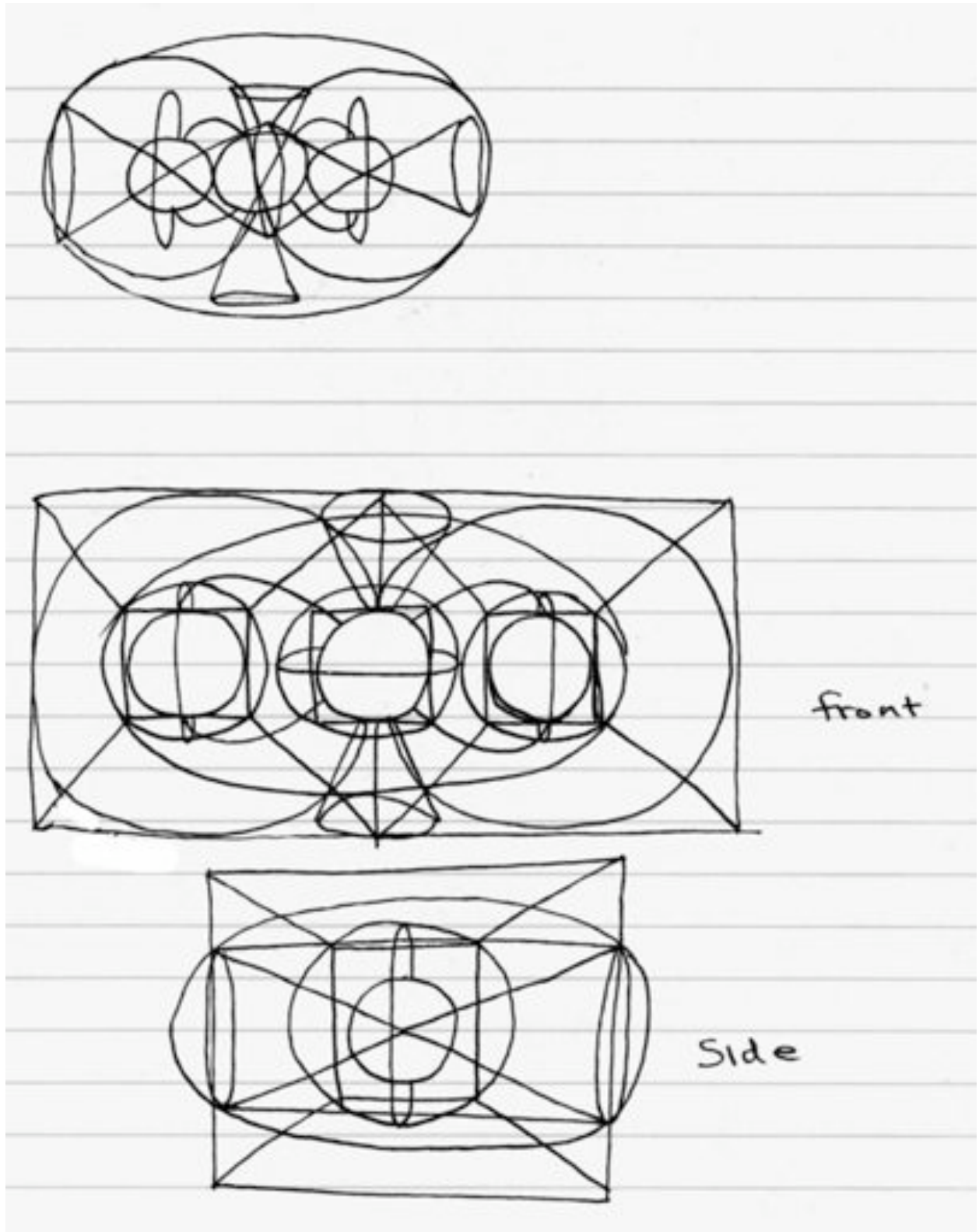
In Einstein's equation for gravity in a vacuum, given $G_{\mu\nu} = 0$, where G stands for gravity, μ for dimensional propagation of waves, which in the equations for general relativity is infinitely reducible, and ν for velocity relative to volume as the equations for the speed of light indicate direct relationship for,

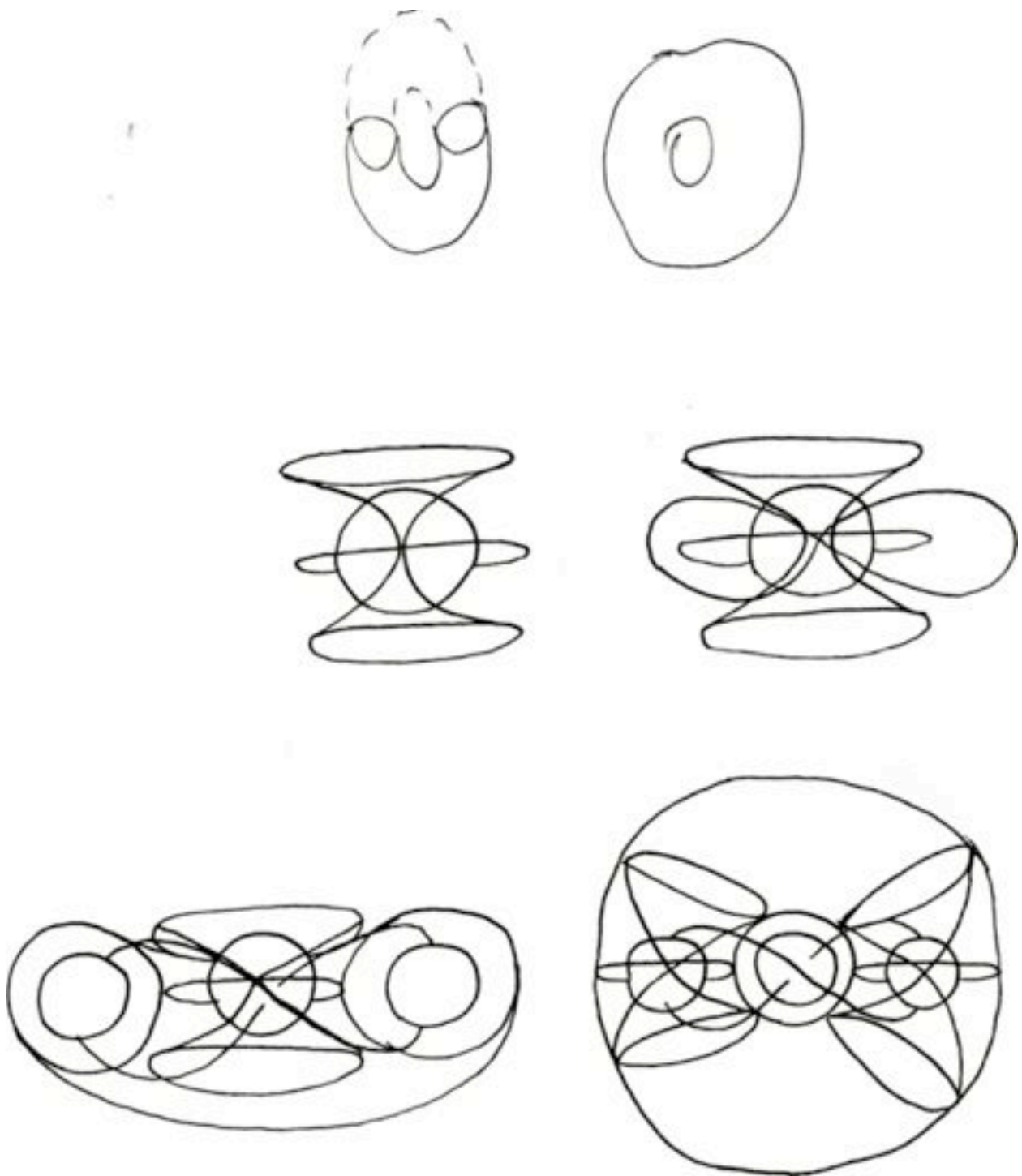
the end mass is zero because, all other things being equal, the graviton itself remains theoretical & the gravitational constant unproven. Now gravity can only be measured, because of its lack of quantifiable mass, as a movement or effect in a three dimensional coordinate system, x^3 , and here we see that μ cannot be infinitely diminished, as would be the case with scalar waves producing a cancelling out of effect to equilibrium or zero point, but remains conserved to the minimum amount of finite dimensions possible, like the electron. Now the theoretical graviton, like the electron, is massless (it is thought, because its mass cancels out in a vacuum), however it is different from an electron because its wavelengths are thought to be long enough to act on larger, real particles. Unlike traditional radiation, however, the propagation of these wavelengths is attractive, not repulsive. One possible theory to account for the masslessness, attractive and infinitely dimensional reducibility properties of the gravitational particle is that it consists of microwaves propagating opposite the flow of entropy. According to the second law of thermodynamics, the loss of a certain percentage of heat energy over time, known as entropy, determines the directional flow of the standard arrow of time. However, if a particle were to travel faster the velocity of a photon it would arrive at its destination before the event described by the photon could be seen to occur, thus, effectively, travelling backwards in time as time is defined in Newtonian-Einstein-Hawking sense. One place we can see matter being accelerated faster than the speed of light is black holes, where gravity's pull is so strong not even light can escape. Tachyons, a faster than light particle, have been measured in the iron strips of gas jets emitted from the poles of black holes. The only way for them to be observed in the laboratory is for them to be moved through a solid mass. To understand how these faster than light ~~particles~~ ^{microwaves} can act as gravitational attraction is to observe that their orbits, once projected out from the poles of black holes, curve back around towards the equator of the black hole, pulling stellar mass in to form galactic spiral accretion disks. This shape is the same shape as the microwave tachyon itself - a torus. Because the microwavelengths propagate in a torus shape they double their vector to a length that can affect real particles, and since they move faster than photons they do not appear in finitely reducible dimensionality, and move opposite entropy so as to attract rather than repel.

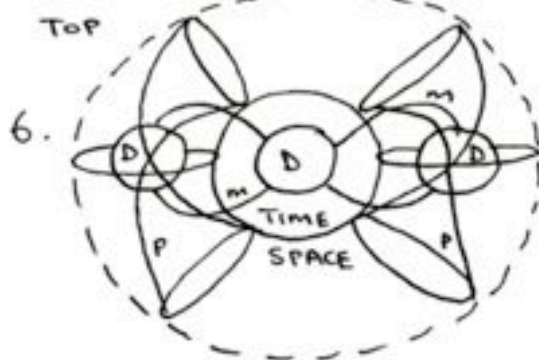
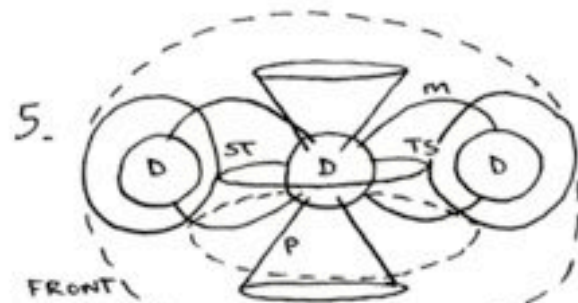
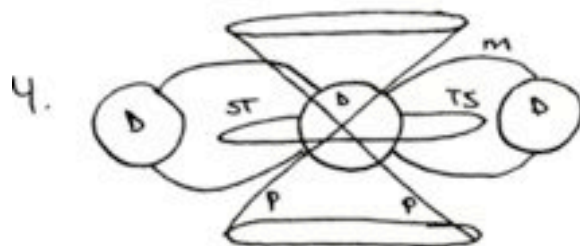
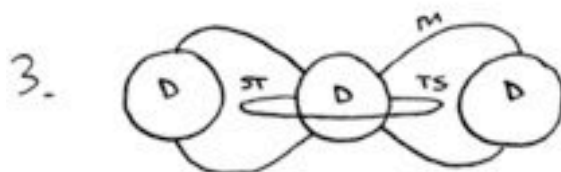
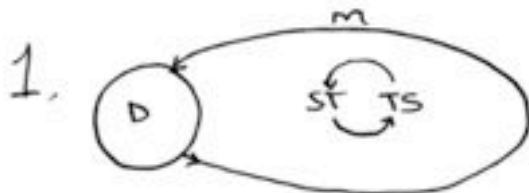
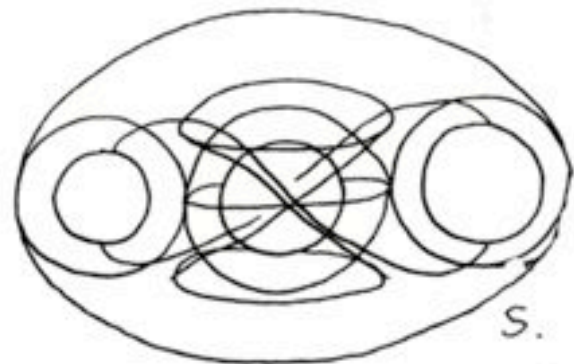
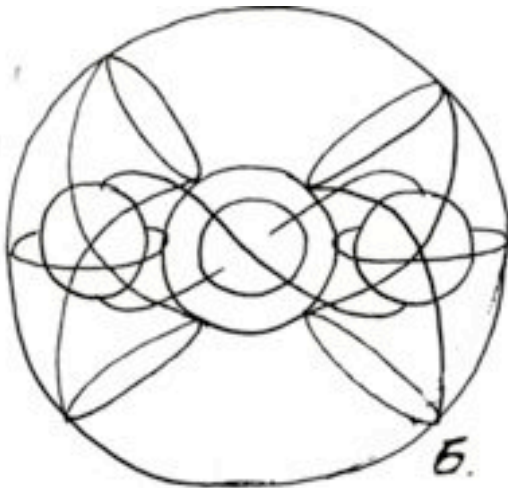


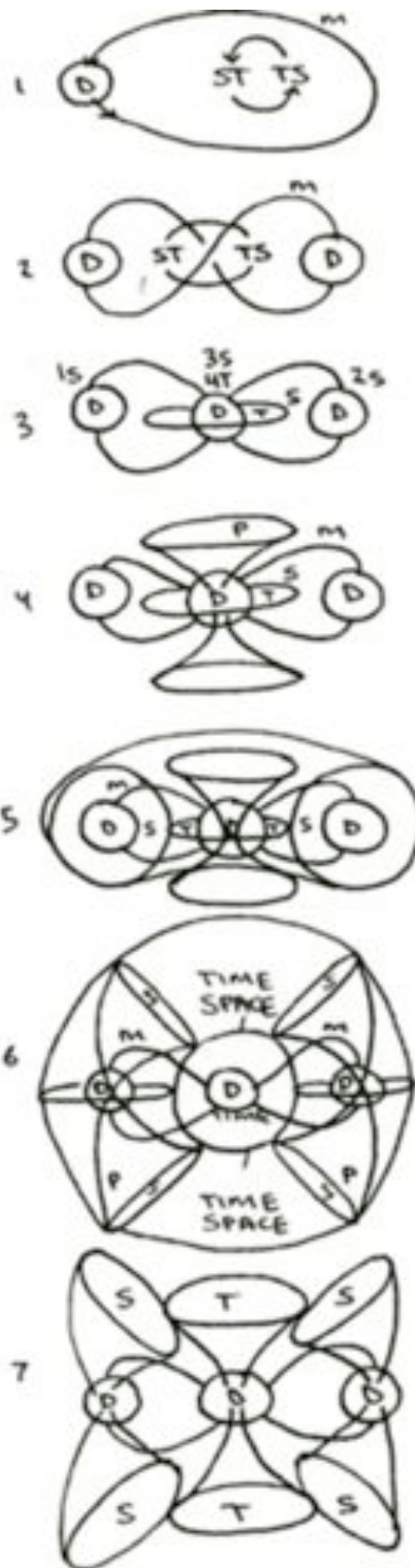




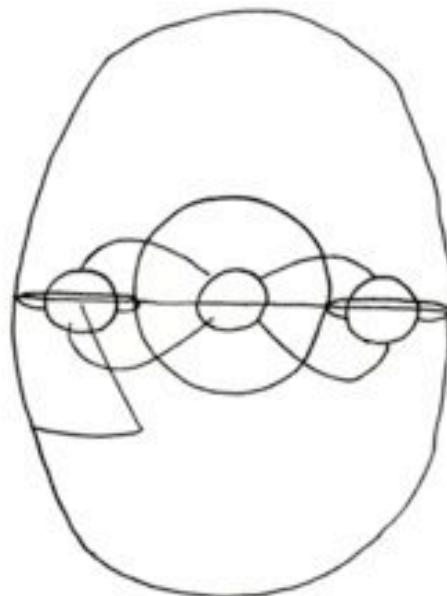


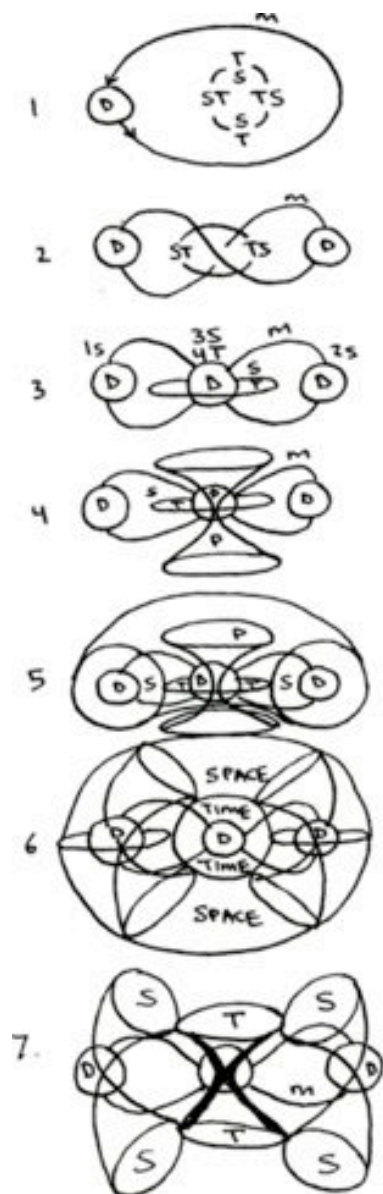






- 1 Pure dimension orbits, always facing S
- 2 @ different points in orbit, appearance of multiple dimensions
- 3 manifestation verb = time
manifestation noun = space
pure dimension @ antipode = space & time univ.
- 4 Precession of manifestation → conservation of dimension
- 5 manifestation is vector of dimension
time is vector of space
hyperdimension is vector of subspace
multiverse (sum) is vector of universe (histories)
- 6 precession of pure dimension in subspace =
light cone history of universe (past/future) in
hyperdimension sum/history multiverse outside
of timespace
- 7 self explanatory

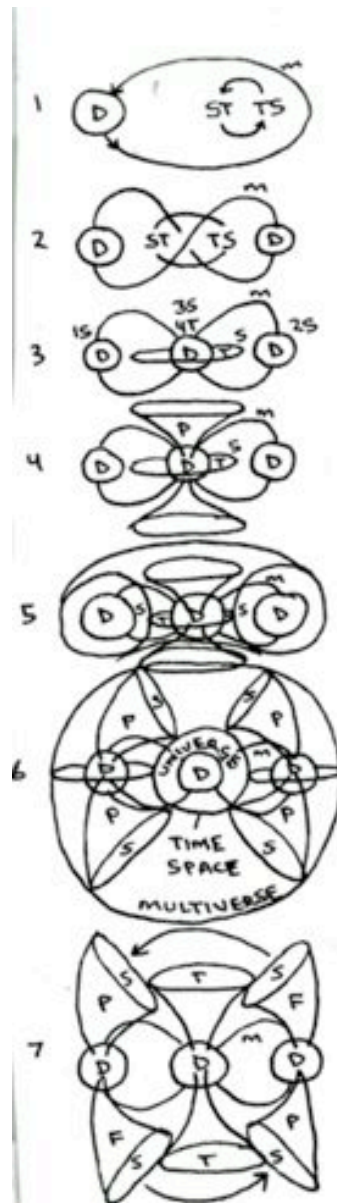




where space = an n-dimensional multiverse comprised of very small, super coiled torus shaped tachyons

where time = the involution of space equivalent in hyperdimension (the multiverse) to entropy in dimensionally finite universe.

As dimension orbits through manifestation it generates the appearance of multiple dimensions. Thus pure geometry in hyperdimension. The double loci of the elliptical orbit of manifestation are space and time, as defined above. Space is a measure of the illusory traits of pure dimension - volume, mass and density, while time is the measure of motion. (Thus Space = manifestation as a noun, time = manifestation as a verb) when dimension overlaps itself in its orbit, when the orbit is scale correspondent to finite dimensionality, then space and time overlap around pure dimension. In this position the precession of the poles of pure dimension is perpendicular to that of its positions in sub-space. ~~outside space~~ ~~hyperdimension~~ the precession of the poles of pure dimension invert concavely. In ~~space~~ space the precession is warped around into the history of the universe. Thus the light cone around which hyperdimension revolves is similar to the orbit of manifestation, and that of pure dimension inside the hyperdimension multiverse sum over histories of the dimensionally finite universe are curved sideways. This is because pure dimension outside of space and inside time is Φ/π , and its precession inside space (as defined above) and outside of time (that is, in the moment) occurs inside the singularity of ylem.



Pure dimension orbits elliptically the double loci of space (volume) and time (motion), which themselves orbit each other so that space always faces dimension.

At different points in its orbit pure dimension casts the appearance of multiple, different dimensions. This is called manifestation and is measured by geometry.

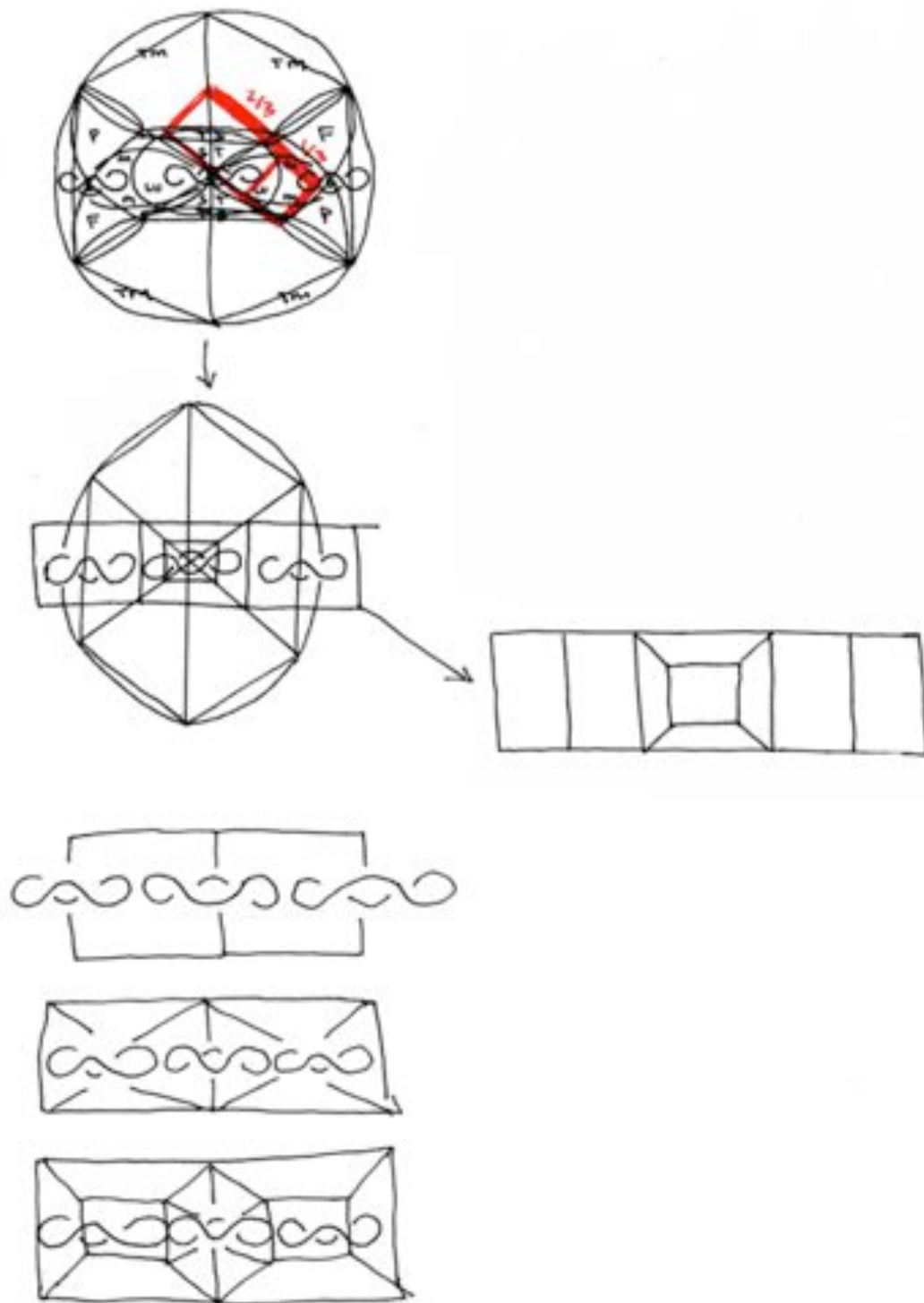
manifestation is dually active and passive. As a verb it represents the motion of time. As a noun it represents the measure of space when pure dimension is at the antipode point in the orbit of manifestation space and time overlap to create the volume and motion of the universe.

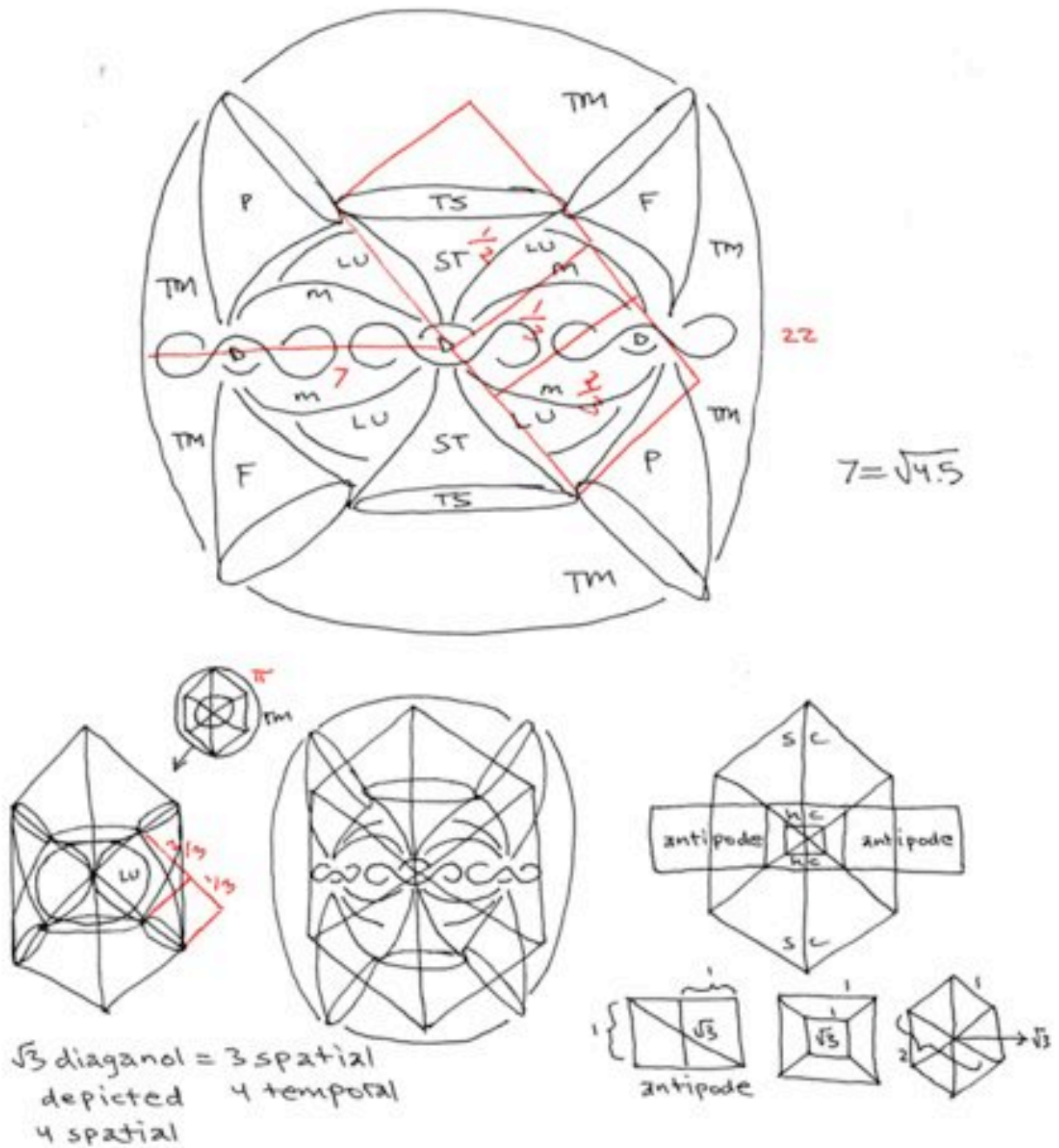
As pure dimension orbits in manifestation its poles precess, such that they alternate in their orientation. Thus the precession of manifestation leads to the conservation of dimension such that plural dimension scale compress to the original singularity of ylem or the big bang.

manifestation is the vector of dimension in the same way as time is the vector of space, hyperdimension (n-dimensional multi-dimension) is the vector of subspace (the infinite volume zero mass vacuum), and as the multiverse (sum) is the vector (cover) of the local universe (histories).

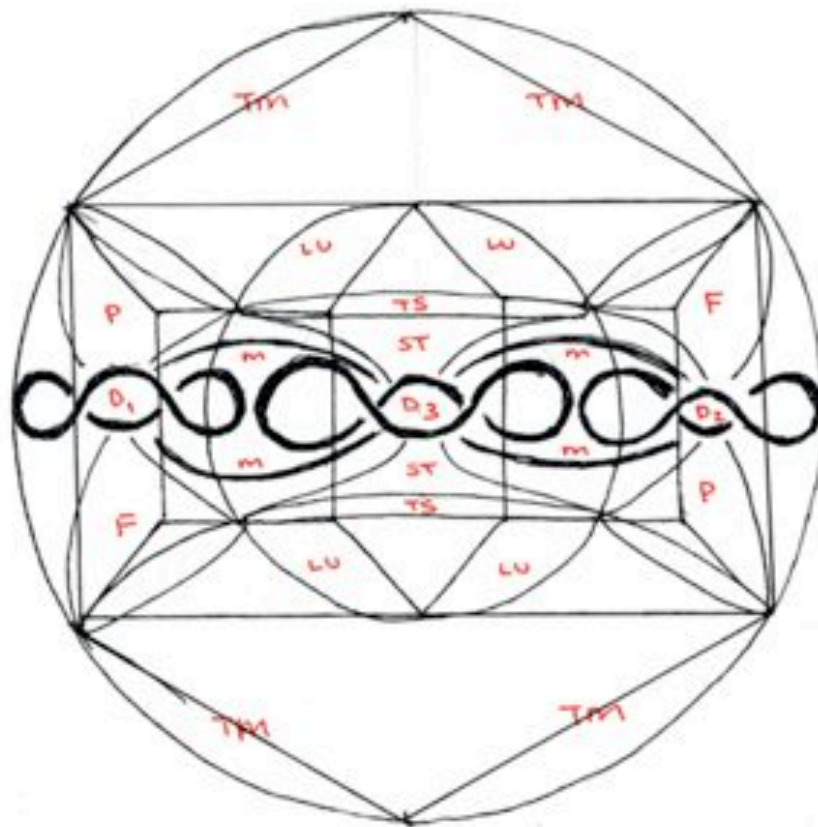
The precession of pure dimension in subspace (the apparently flat surface of gravity bent by mass) equals the lightcone history (past and future) of the universe in the hyperdimension sum/history multiverse outside of time space, which is the exterior surface of space-time, whose geometry is different (flat, closed or open) in different local areas due to the conservation of dimension.

As pure dimension orbits through manifestation perpendicular to the temporal vector of hyperdimension in the multiverse (that is, the precession of manifestation), the past and future light cones revolve around through the torus of the sum/history multiverse outside of and around the local space-time universe.

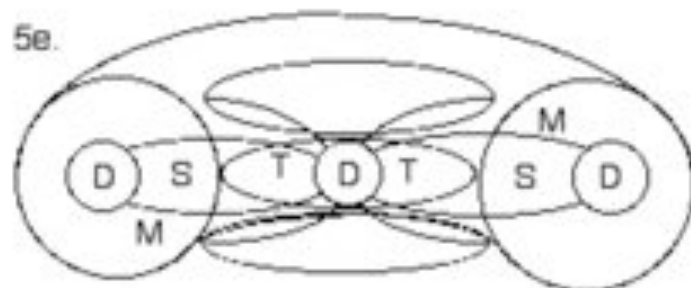
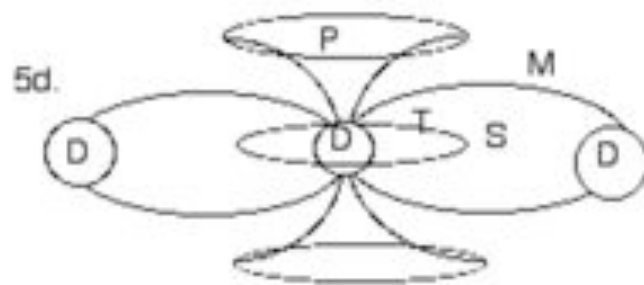
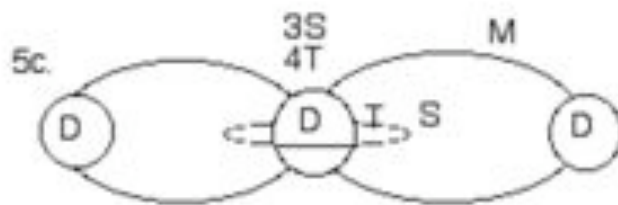
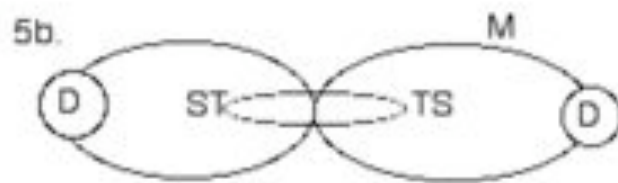
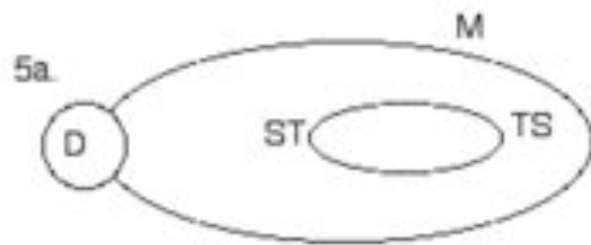


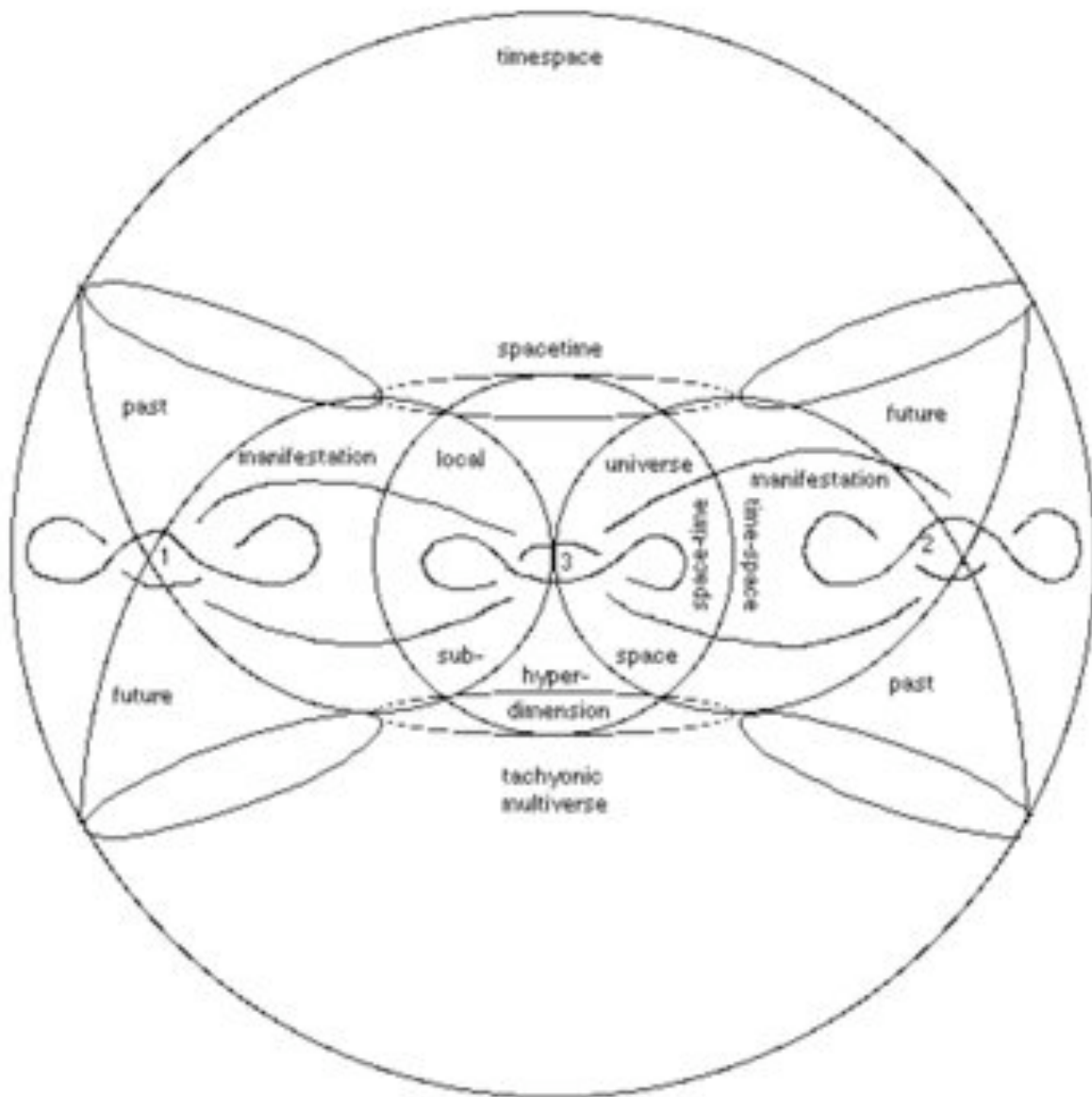


TM = tachyonic multiverse
 LU = local universe
 TS = Time-Space } (Φ)
 ST = Space-Time }
 P/F = past / future $\rightarrow$ (π)
 m = manifestation
 D = dimension



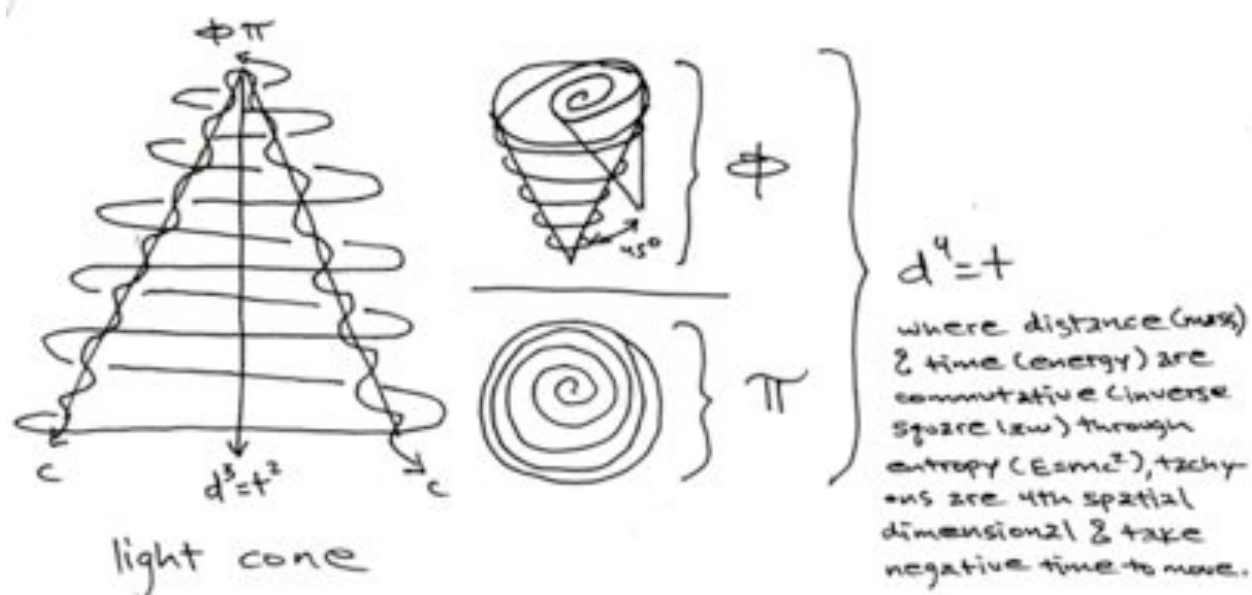
The diameter of the observable universe is 11.5 billion light years, but the average lifespan of a star is only 3-5 billion years $\therefore$ most of the stars in galaxies that are observable as photons have already burnt out, becoming super-massive black holes and tachyonic microwave background radiation. As pure dimension manifests it generates the geometric illusion of conservation of dimension. Thus the dimensionality of black holes is 1, and that of the gravitational background radiation is 2. In local spacetime it is 3, with entropy acting as the 4th temporal dimension. The projected trajectories of the gravitational singularities (blackholes) in the multiverse motivate entropy. These lightcones are attracted toward one another by manifestation and the conservation of dimension. They form a torus, or hypersphere. The measure of this in geometry is the nested hypercube, inside the hypercube at antipode, inside the standard cube. The measure of the precession of manifestation, the conservation of dimension, is the nested hypercube. The measure of manifestation, or the vector of pure dimension, is the hypercube at antipode. The measure of pure dimension at the antipode point of manifestation is the diagonal of the standard cube of the multiverse manifold.



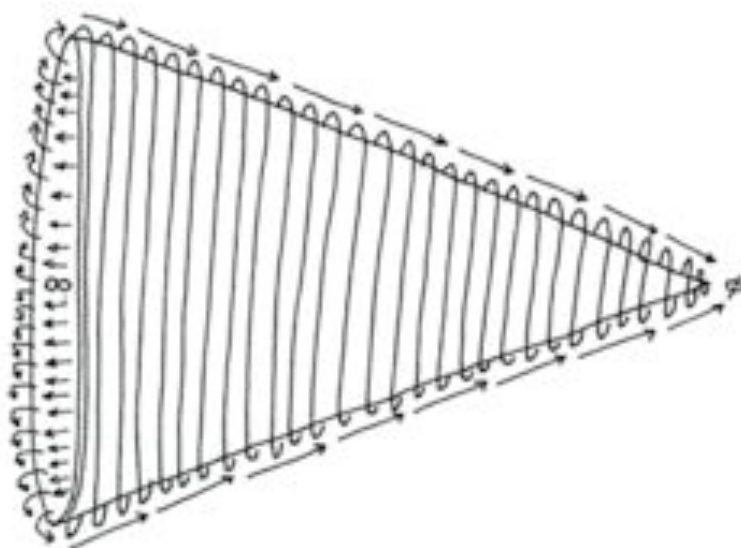


nb3.2:: light-cone

03



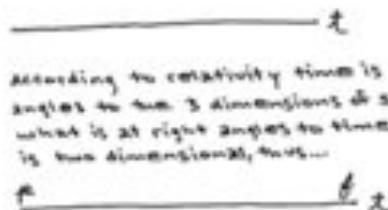
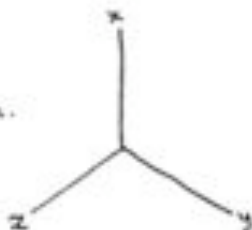
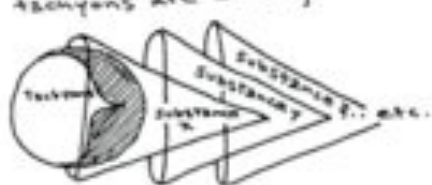
the light cone measuring the inverse square law propagation of photons, giving the formula time squares in three dimensions, also measures the (inverted inverse) square law for the imaginary propagation of tachyons. Tachyons moving perpendicularly to photon vectors spiral down toward a zero point energy origin, or the convergent point of ~~dispersed~~ holographically divergent photons (as in the double slit experiment), thus opposite the flow of entropy. These act as the counterspin dispersed in a higher dimension (d^4) and effect the larger particles just enough to attract them gravitationally. While the tachyons are given off by photons, they are negatively charged to energy and positively charged to mass, so they attract to any massive object; the more massive, the more gravity. Since they cause dissonance from the polarized past → future flow of $d^3 = t^2$, they erode mass into energy, and thus cause entropy. Their measure, ϕ/π , is fixed spin but variable ϕ velocity, the imaginary inverse of bosons & fermions, & since these two are made commutative by entropy, so are distance & time. Because they are unlike any 3D particle or wave though, tachyons move in zero time, if



The Tachyon Light Cone

Tachyons wind down backward through time, opposite entropy, from a far-off future of infinite tachyons to the zero point of the big bang. This proves that there is a gravitational singularity, because tachyons are negatively repelled by charged energy waves, such as electrons, or particles, such as photons & drawn toward matter (the neutrons & protons of an atomic nucleus)

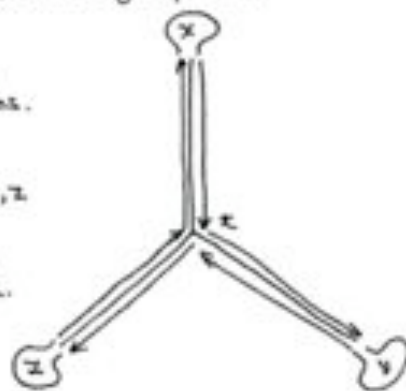
If tachyons were the first matter, then the light cone of the universe (multiverse) began with the big bang ends with them. However, since they feed backwards against the entropic lower dimensions, then they must be funneling through the gravitational singularity of the big bang. The question then becomes - to where? Everything must be backward - the big bang didn't cause tachyons, tachyons are causing what was the big bang.



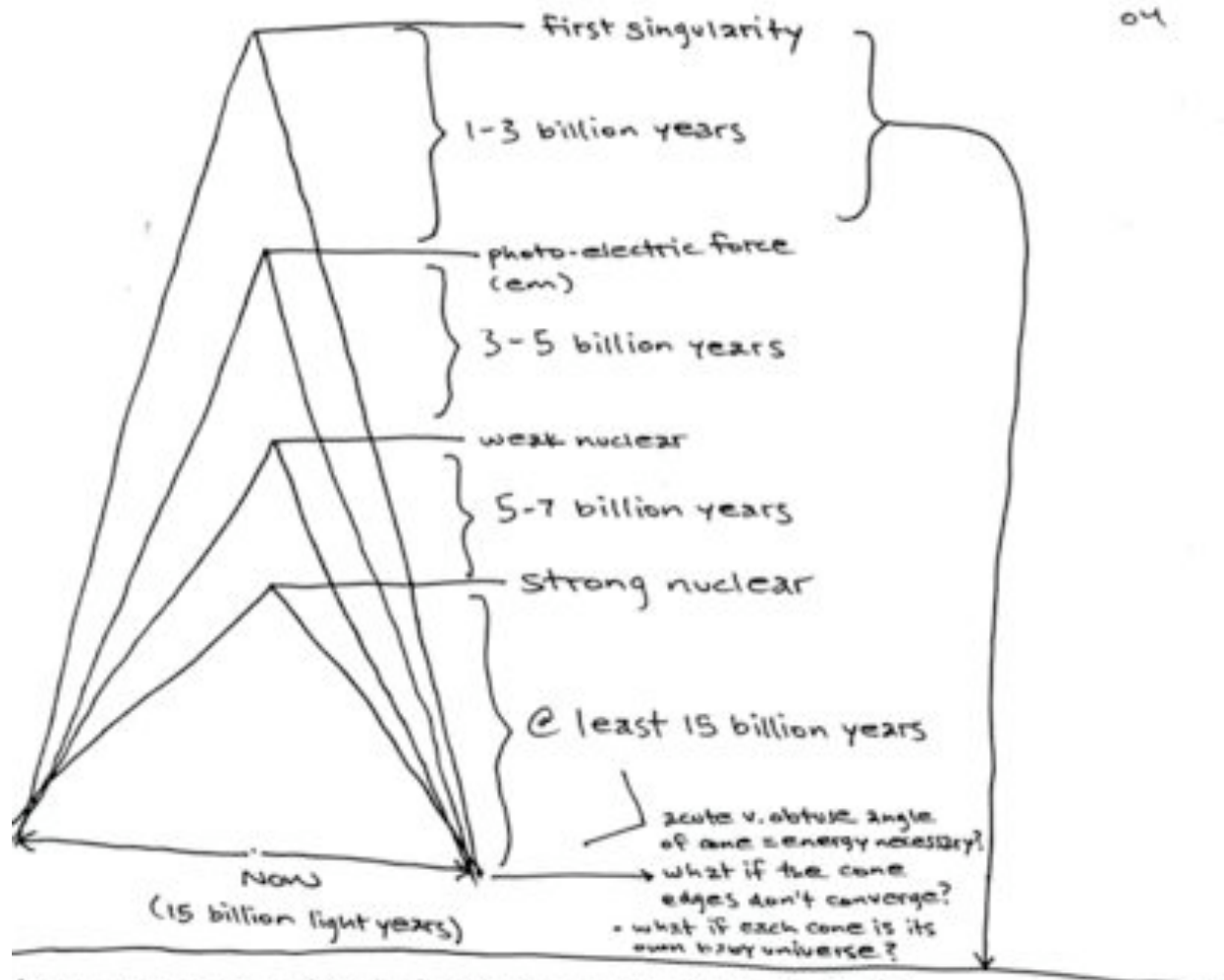
According to relativity time is at right angles to the 3 dimensions of space, so what is at right angles to time? Time is two dimensional, thus...

however it is a set X with inertia that travels from p to f in 3 dimensions, and from f to p in 4.

So if tachyons are the equivalent in general relativity (the theory of quantum-astro gravity) to the constant speed of photons in a vacuum (c) in special relativity (entropy in 3 dimensions), then let t stand for both "tachyons" and "time" as being the particle of the 4th spacetime continuum dimension. So t "runs and returns", because X involutes. Now say t is bound relative to the coordinate system of 3-D space x, y, z . As much as t is bound by them, x, y, z are bound by t . If t , relative to x, y, z has a given beginning, then so do each of the other dimensions x, y & z . Therefore, rather than limiting t relative to x, y and z , make x, y & z dynamic to t . Let t "run and return" between 00 and 99 at right angles to x, y, z , unifying them in a continuum.



J



1. Special Singularity (infinite mass/energy) infinite time)
(pea instanton)

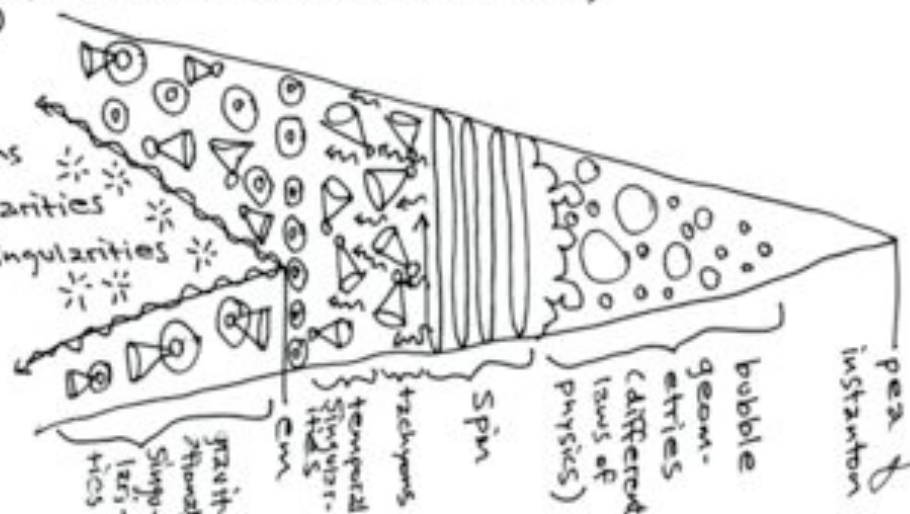
2. geometry

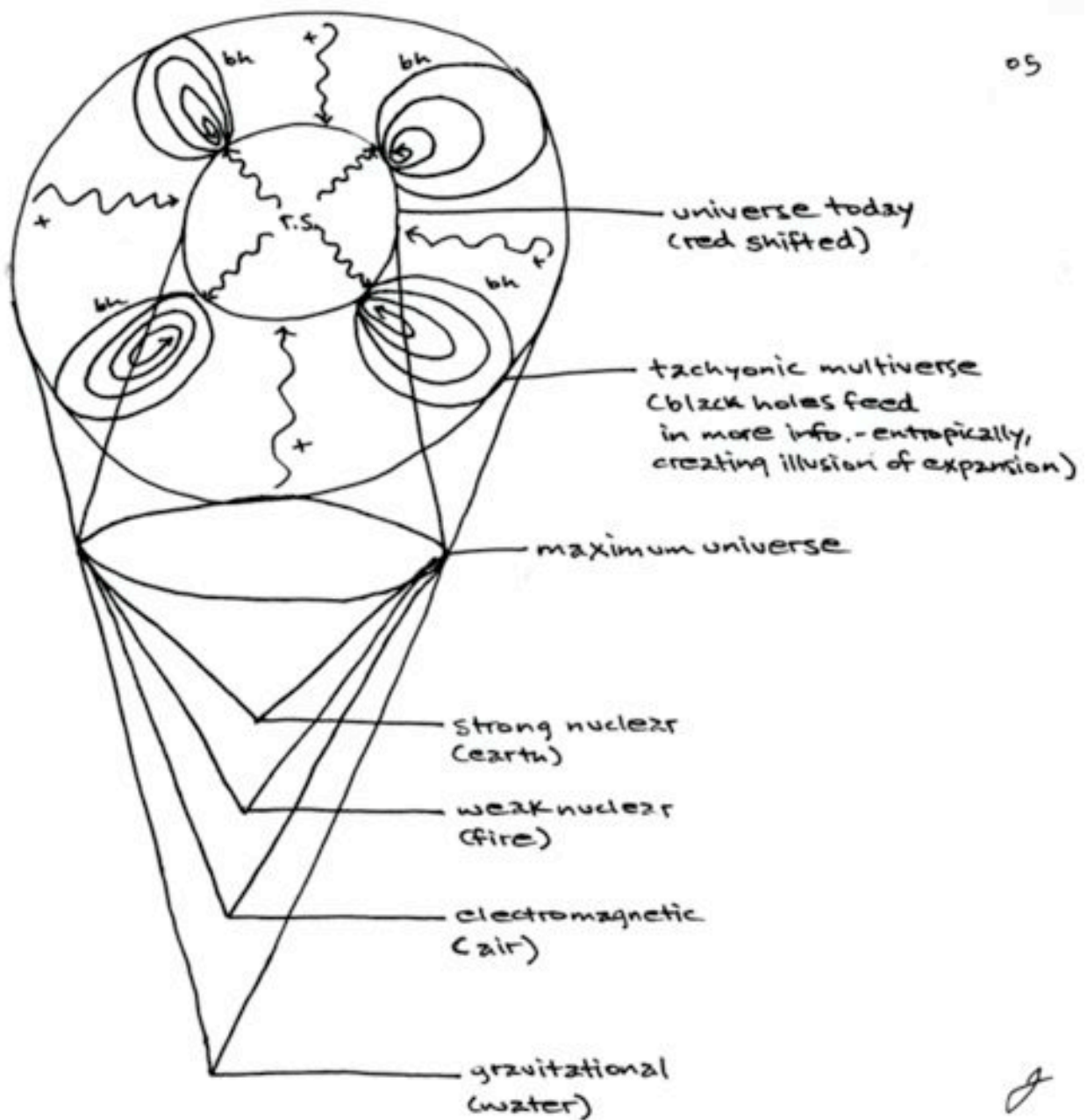
3. Spin

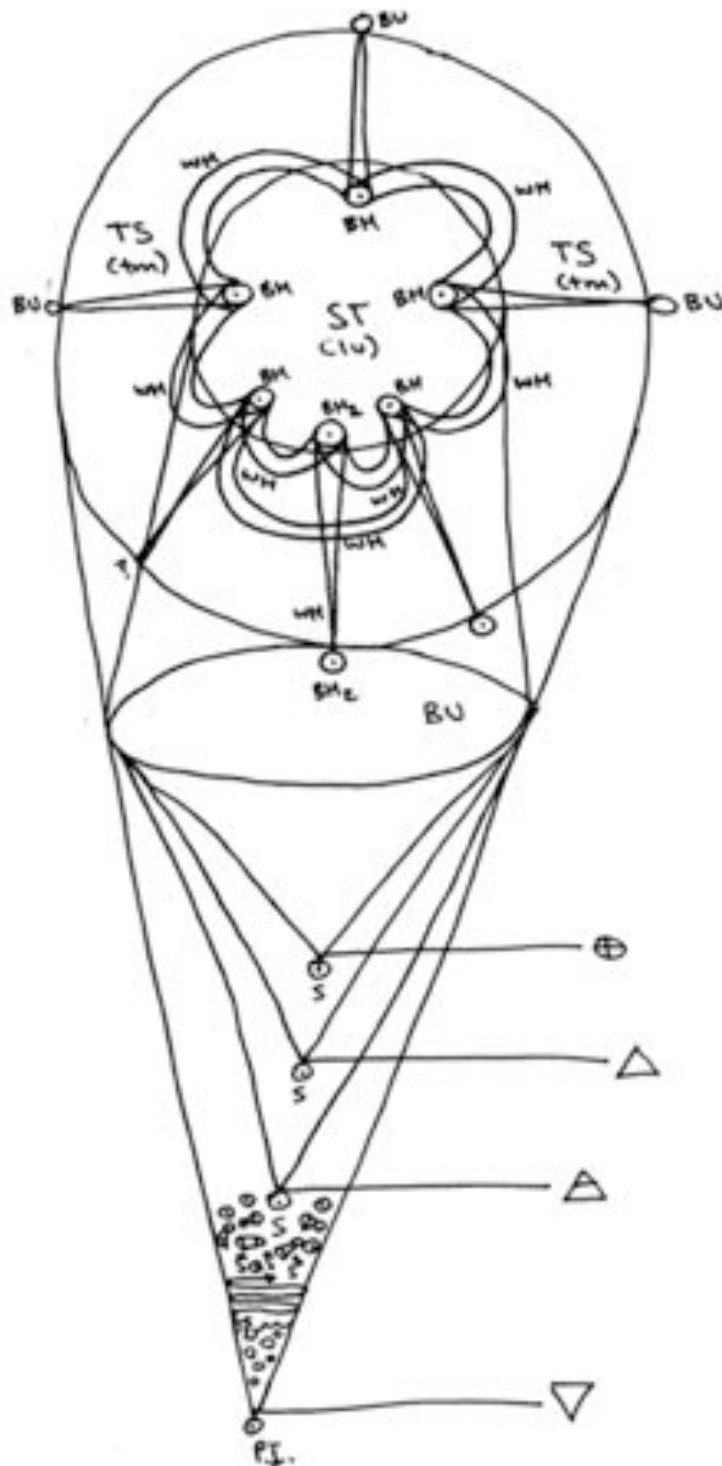
4. ~~tachyons~~ tachyons

5. temporal singularities

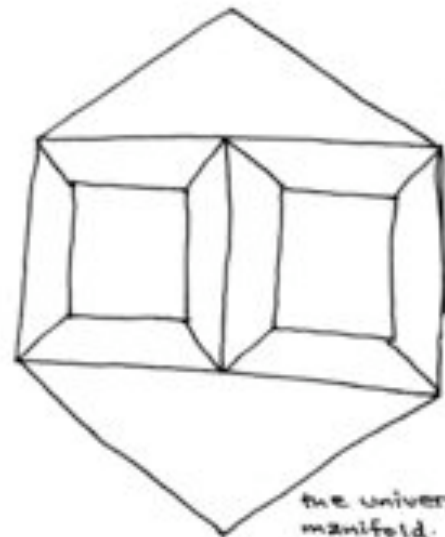
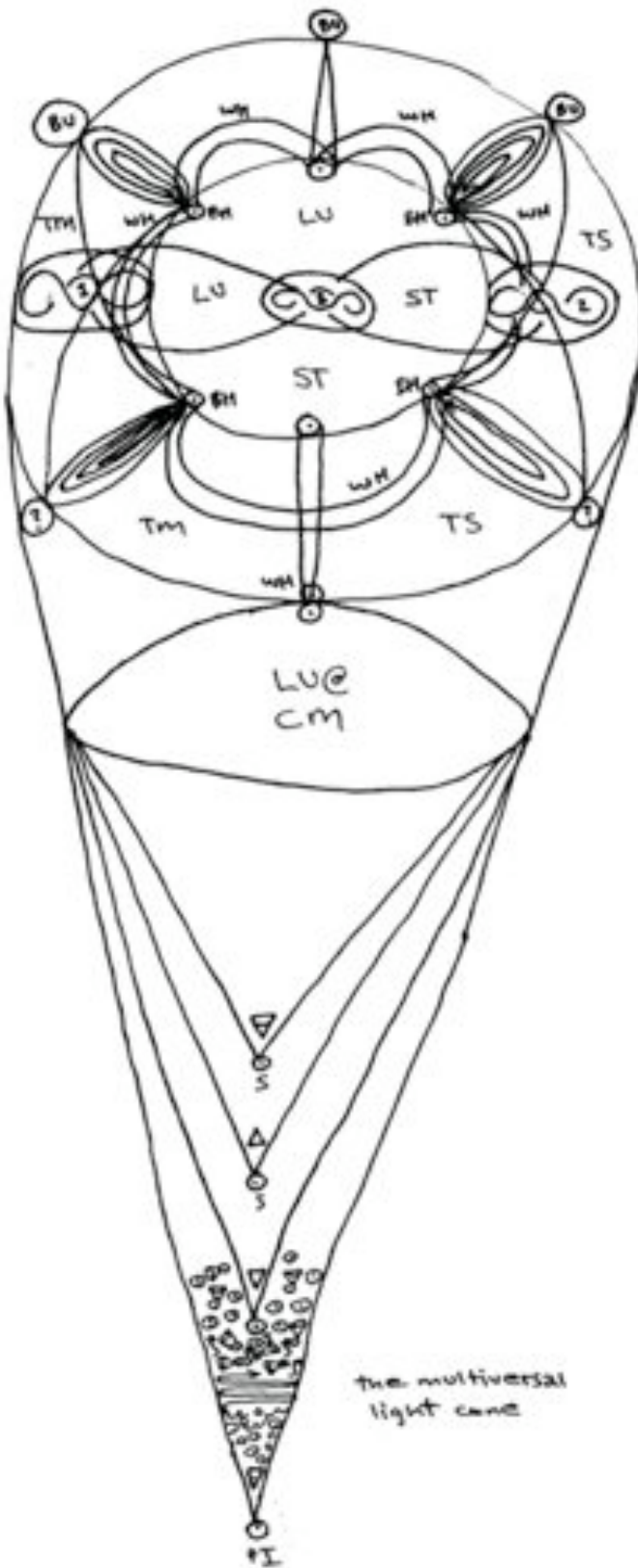
6. gravitational singularities



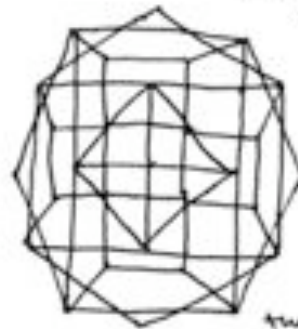




At each phase of creation of one of the elemental forces, the worldline of our universe passed through a singularity point, separating it from the worldline of the larger, contemporary universe. While the universe of massive particles (bosons) has already passed a critical mass point and begun to collapse, the multiverse of tachyons that pre-existed these particles continues to grow. If a black hole existed in our universe at the critical mass point & continues to exist today, a wormhole connects ~~the~~ points ~~the~~ worldline. Other, younger, blackholes lead to baby universes with even more refined laws of physics. The worldlines of all blackholes extend through the tachyonic multiverse. A blackhole that leads outside the present multiverse but to another blackhole or baby universe whose worldline is in the lightcone of the multiverse is an unknown kind of blackhole, since it would produce a wormhole, but not one that would be connected to the worldline of the local universe. Wormholes connect the surface of all blackholes to the gas jets of any other; which one is determined by probabilistic hyper-dimensional phase shifting. All wormholes pass through the surface of spacetime out of the local universe into the timespace surface of the tachyonic multiverse. The wormholes are comprised of tachyons, which became attracted to mass when they became transcendental, that is, stop emitting sub-photonic light.



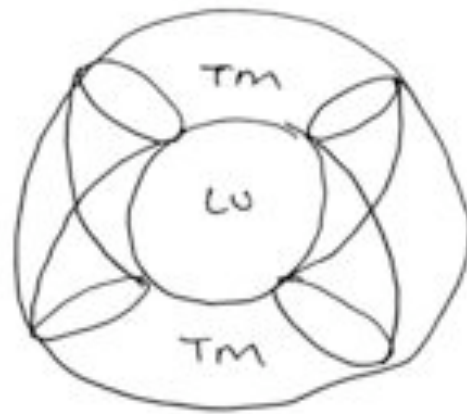
the universal manifold.
showing the universe as the measure between multidimensional hyperplanes.



the multiversal manifold
the crystal transform for tachyonic involational vector in n-dimensions.



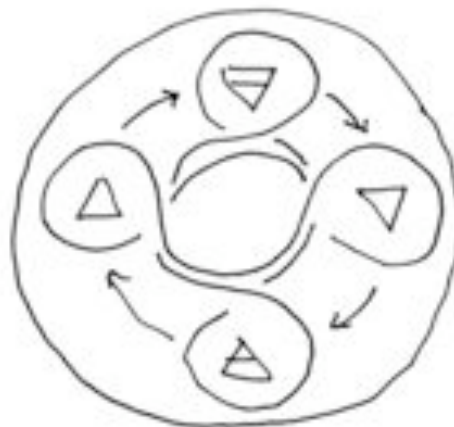
multiverse today
(S/H of b/n's)



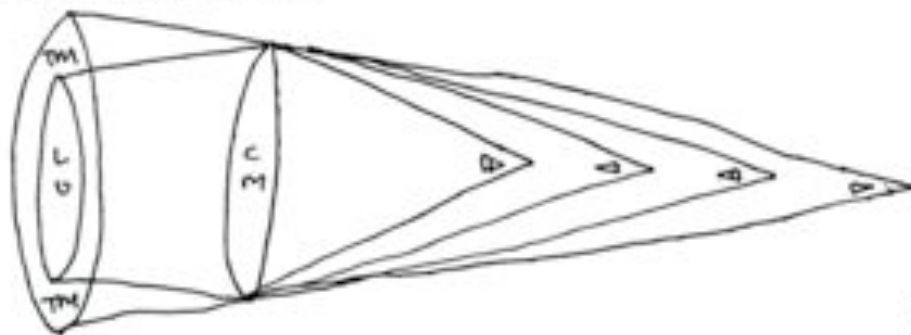
Symbolised:



universe @ critical mass
(filaments of galaxies
as it appears today)



Symbolised:



23

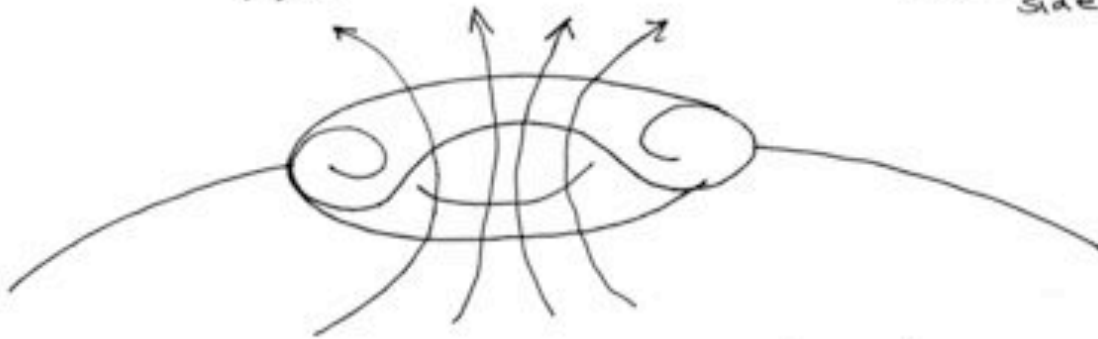
hypothesis: the universe is turning inside out



universe @
critical mass:
Newtonian cosmological
spacetime on the
outside, relativistic
quantum mechanical
time space on the
inside

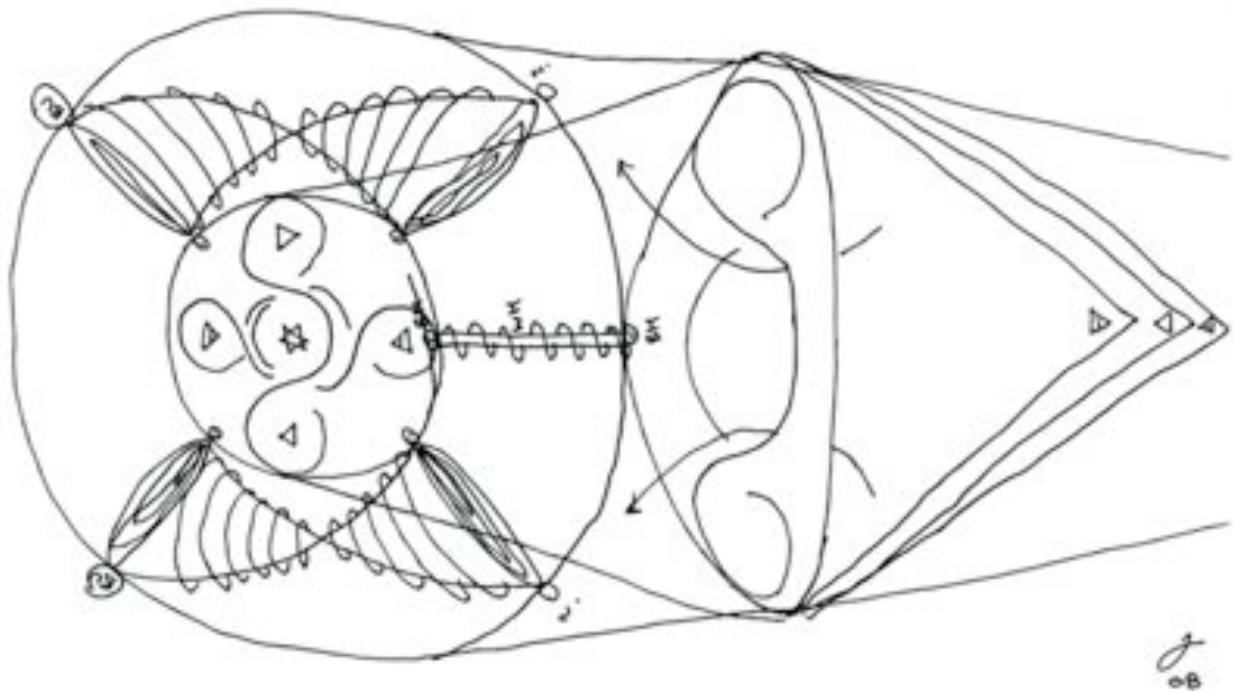
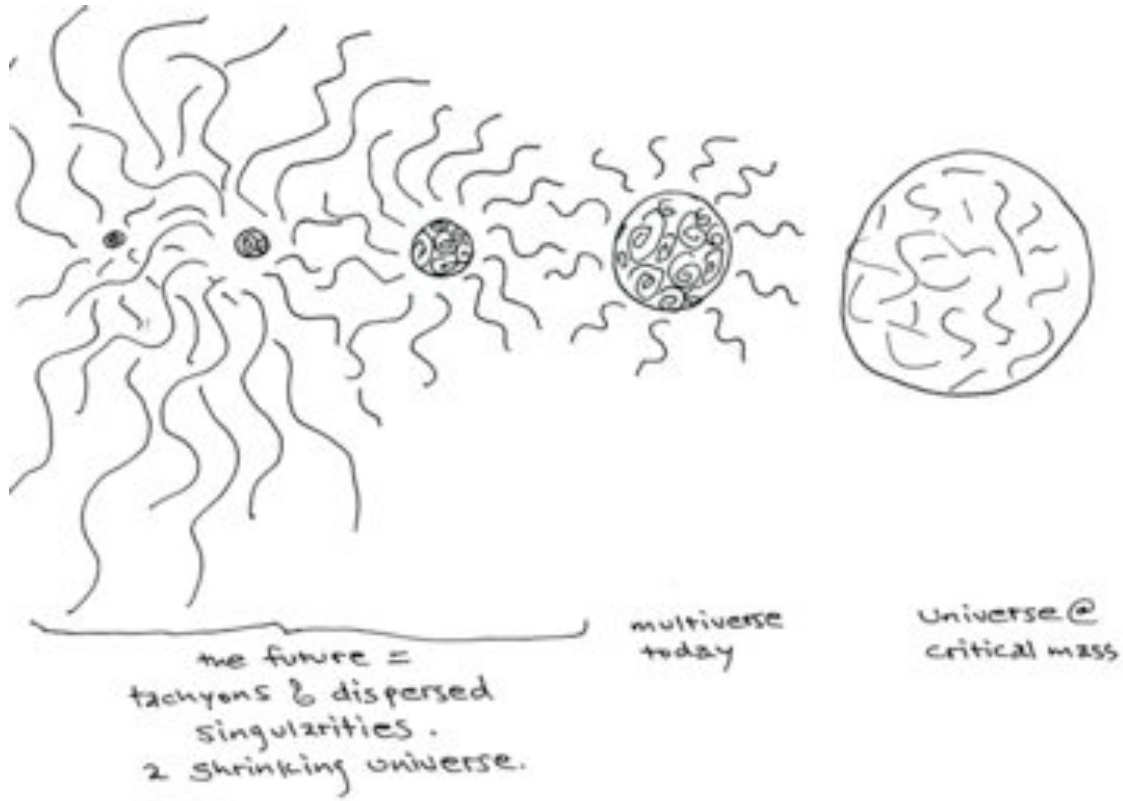


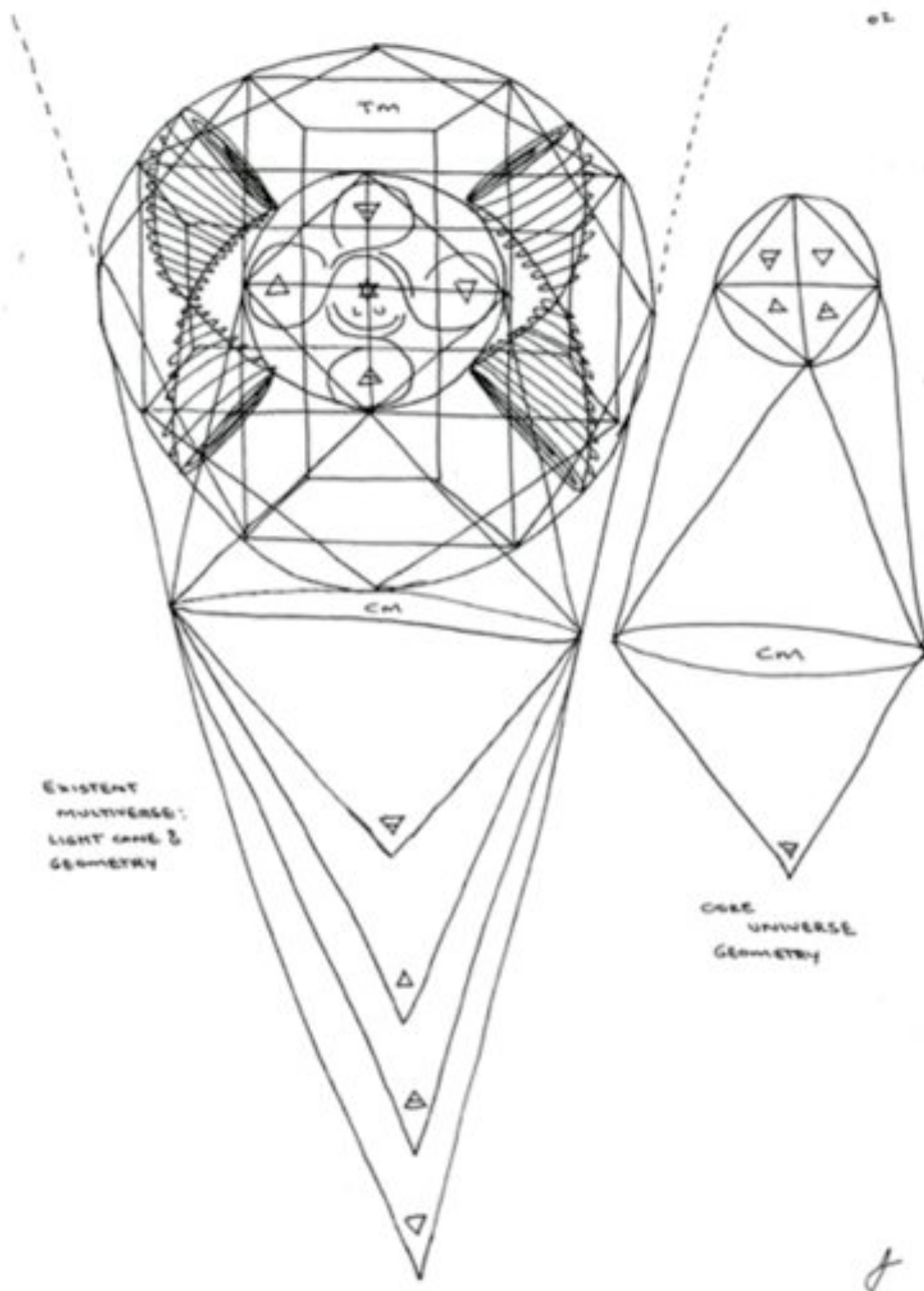
multiverse
today: Newton-
ian photonic
spacetime on
the inside,
relativistic
quantum cosmolo-
gical on the out-
side

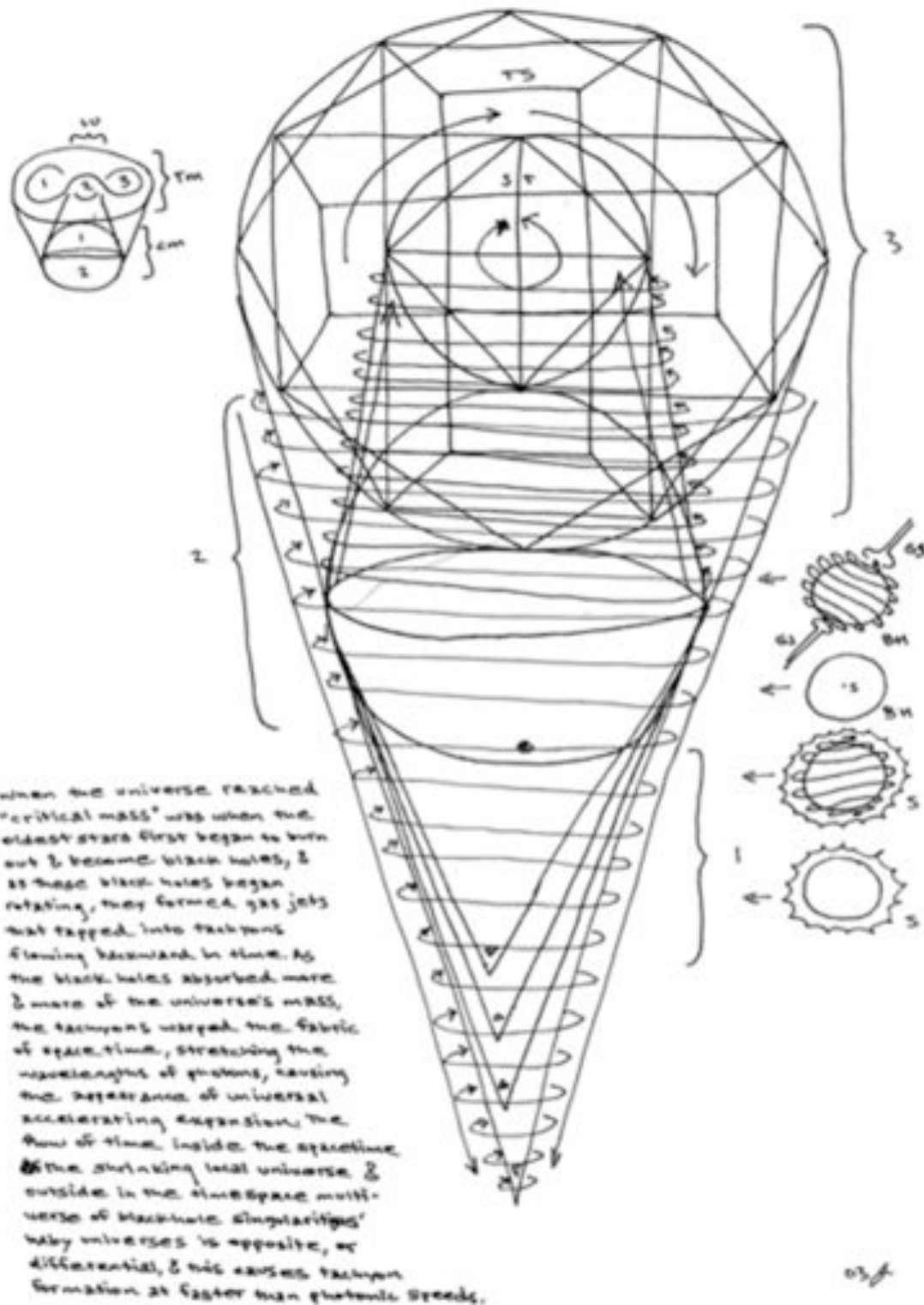


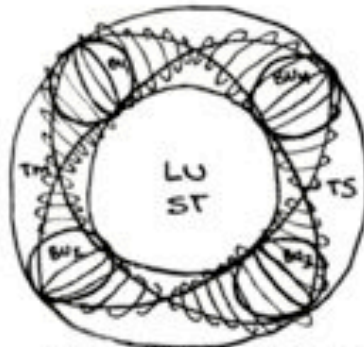
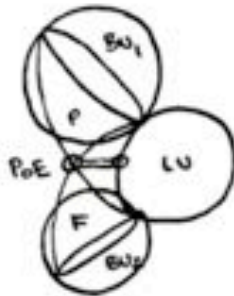
tachyons - which comprise the surface of
the continuum - are doing this.
∴ the more tachyons there are, the
faster this happens, stretching the
photon light rays of the visible
universe & making its "expansion"
appear to be "accelerating!"

σ
 α





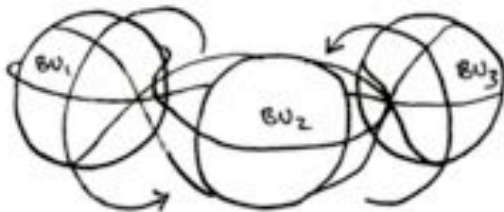




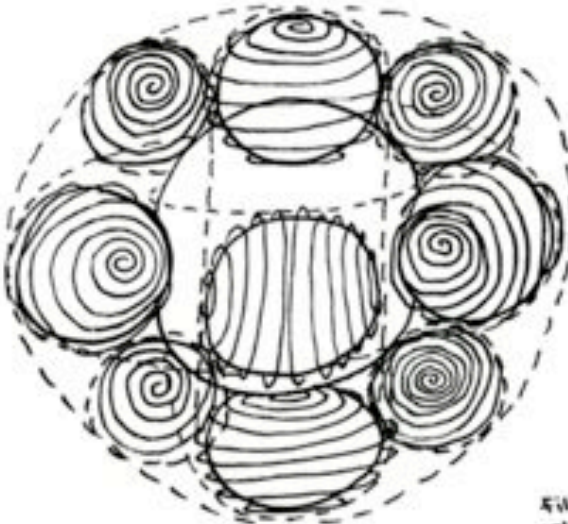
these aren't WH'S
@ all! They're the
inverting sum/
history of BU's!

but wait - what's the
difference?

$BU_1 \rightarrow BU_2 \rightarrow BU_3 \rightarrow BU_4$



there is no maximum #
of baby universes



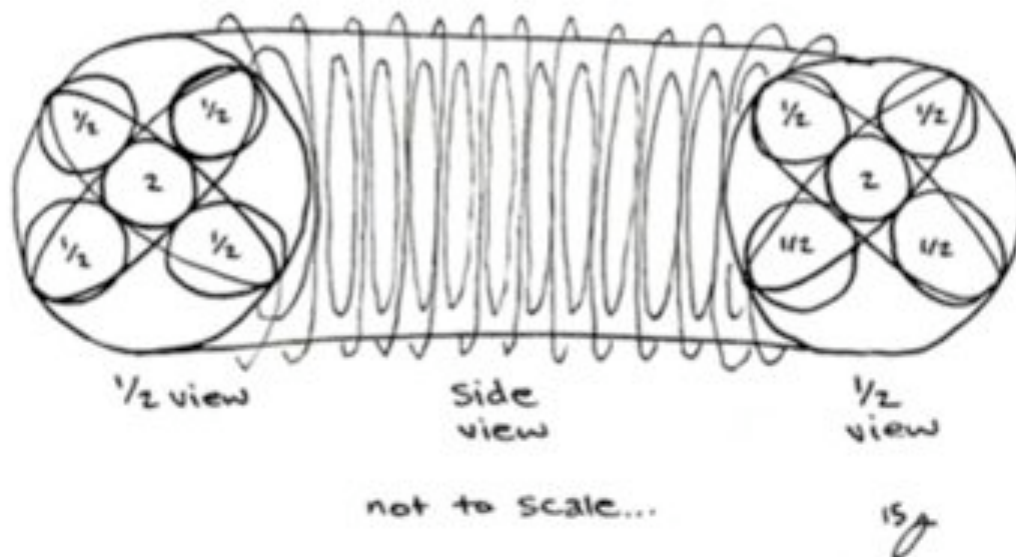
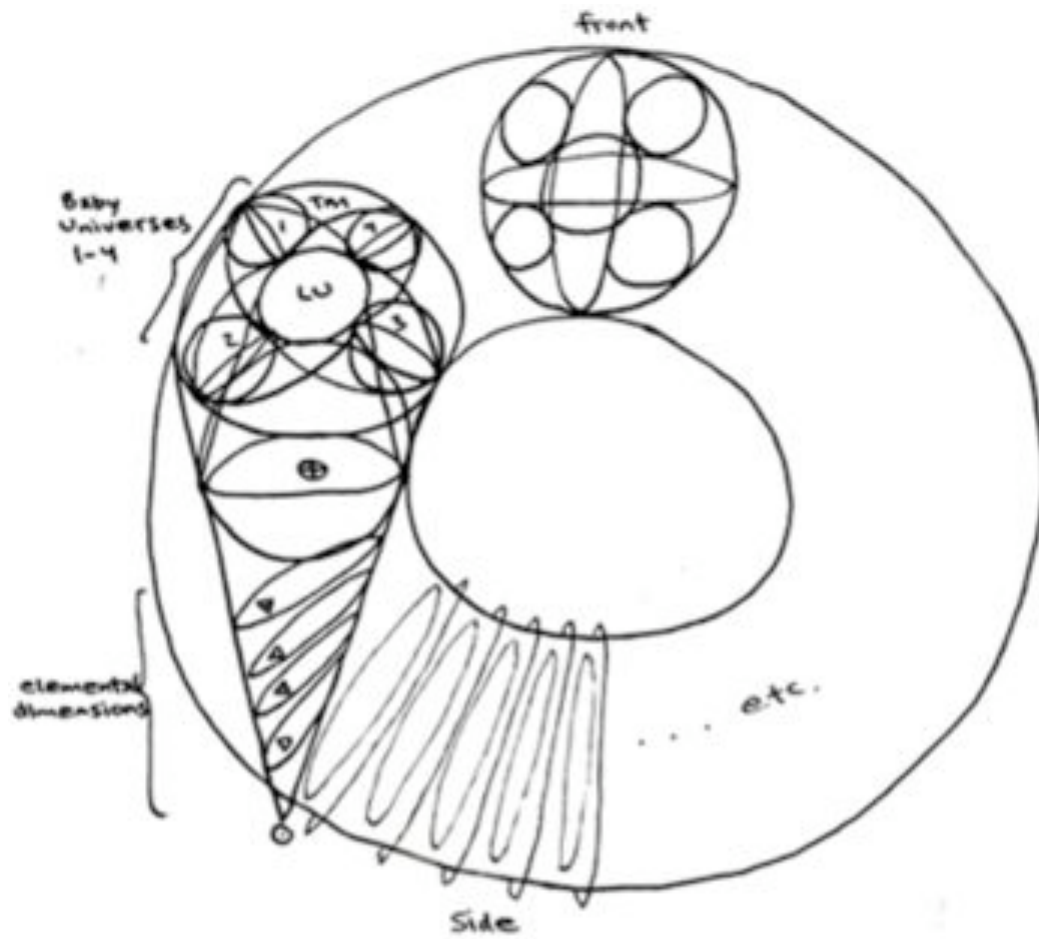
each baby universe
differentially rotates

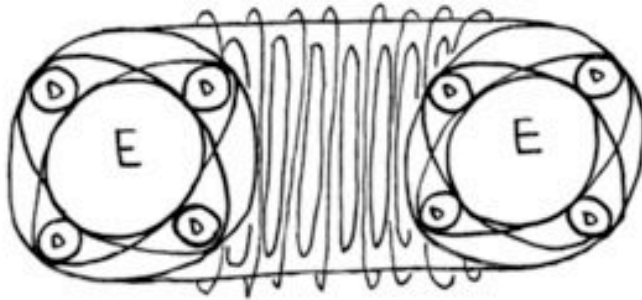


the pdes also
rotate 90° each
 $\frac{1}{4}$ revolution around
the LU

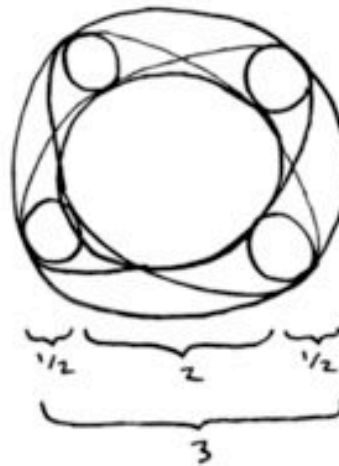
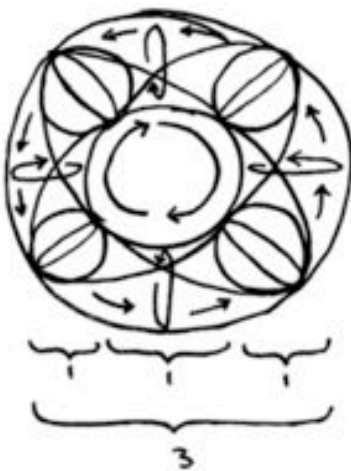
Film
released
today:
"MATRIX
RELOADED"
now
technically
(5-15-03)

14 g

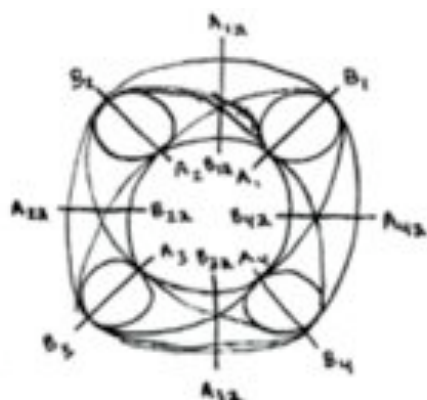




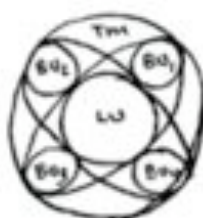
dimension orbits
element like an
electron cloud
around a nucleus.
when the element
becomes material,
dimension becomes
reducible to the
least common factor.



There seems little reason to believe that the elemental force
dimensions behave any differently than the counter-rotating,
differentially rotating baby universes in the tachyonic multiverse. 16g



the diagram for wormholes connecting baby universes in the time space of the tachyonic multiverse (i.e. for the sum/histories difference between the "critical mass" universe & the local universe) is the same as that for dimensions surrounding potential elements in the N_1 force field, which, in turn, is the same as that for electrons around an atomic nucleus.



the only difference is scale.



$\sim \frac{1}{2} \quad 2 \quad \frac{1}{2}$



$\sim \frac{1}{2} \quad 1 \quad 1 \quad 1 \quad \frac{1}{2} \sim$



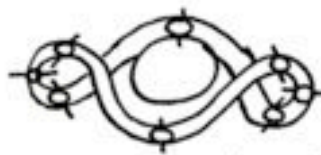
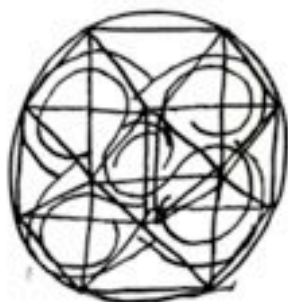
$\sim 1 \quad 1 \quad 1$

can scale alone define their differences in behavior?

1)	the dimension(s) orbiting element behave the same way as the electron orbiting the atomic nucleus.	X
2)	the baby universe(s) orbiting the local universe behave the same way as the dimensions orbiting the potential element.	X
3)	X	the electron orbiting the atomic nucleus does not behave the same way as the baby universe(s) orbiting the local universe. does it?

4) does the electrically charged singularity in the electron cloud behave in the same way as the baby universe (sums) inside gravitational singularities (over) inside black holes through spacetime / timespace (histories) in the multiverse re. differential rotation? How can this be measured?

or
J



if this $\therefore$ d.r.

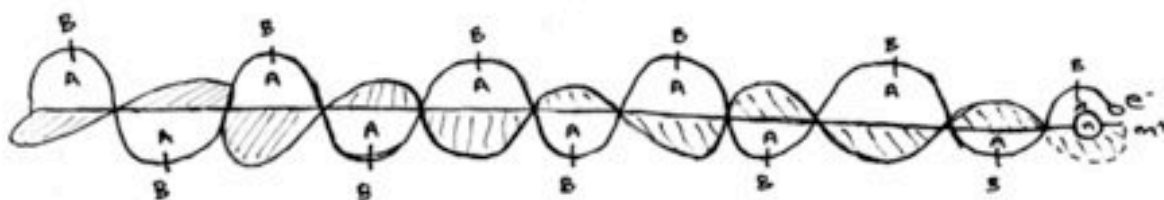
for electrons



os

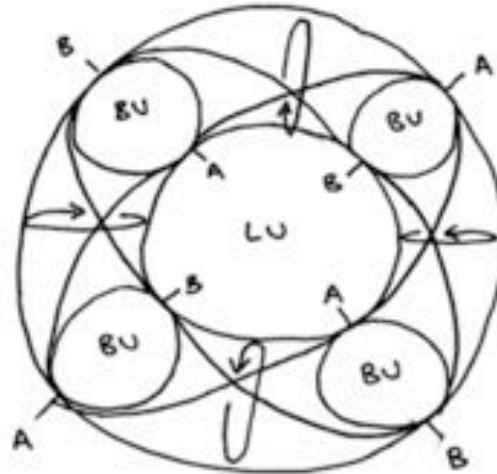
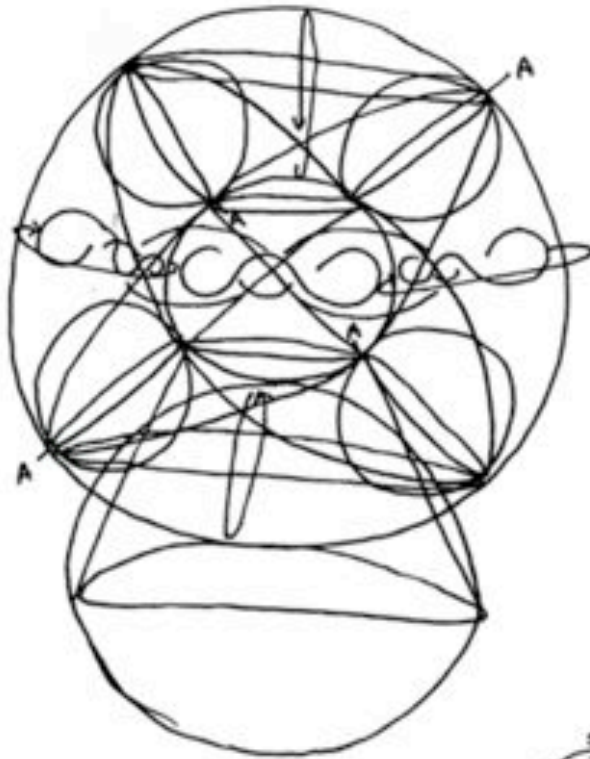
more generally — can it be proven that all first dimensional singularities rotate differentially?

on second thought — if the electron singularity has polarity — why wouldn't the same side of it always face the nucleus?

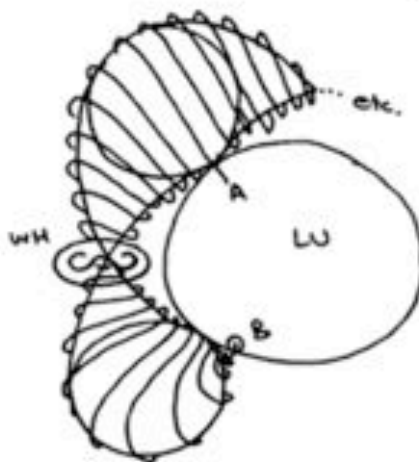
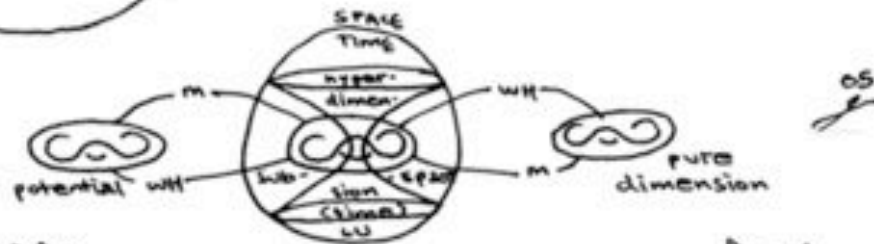


the only question is — is it the pole or the equator of the electron that always faces the nucleus? If the pole is the charge & it is attracted to the nucleus by its energy — it is the pole, & the equator is magnetic. If the pole is the magnetism & it is attracted magnetically to the nucleus — it is the pole & the equator is electric. If the pole is electric & the attraction magnetic, it is the equator. If (I believe this is most probable) the pole is magnetic & the attraction electric, it is the equator.



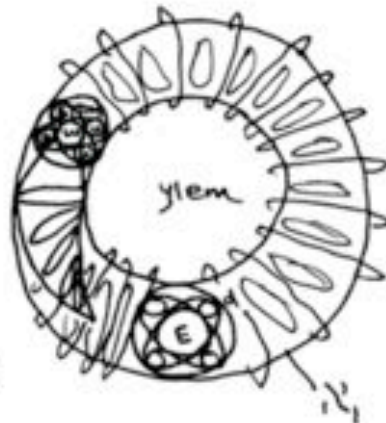


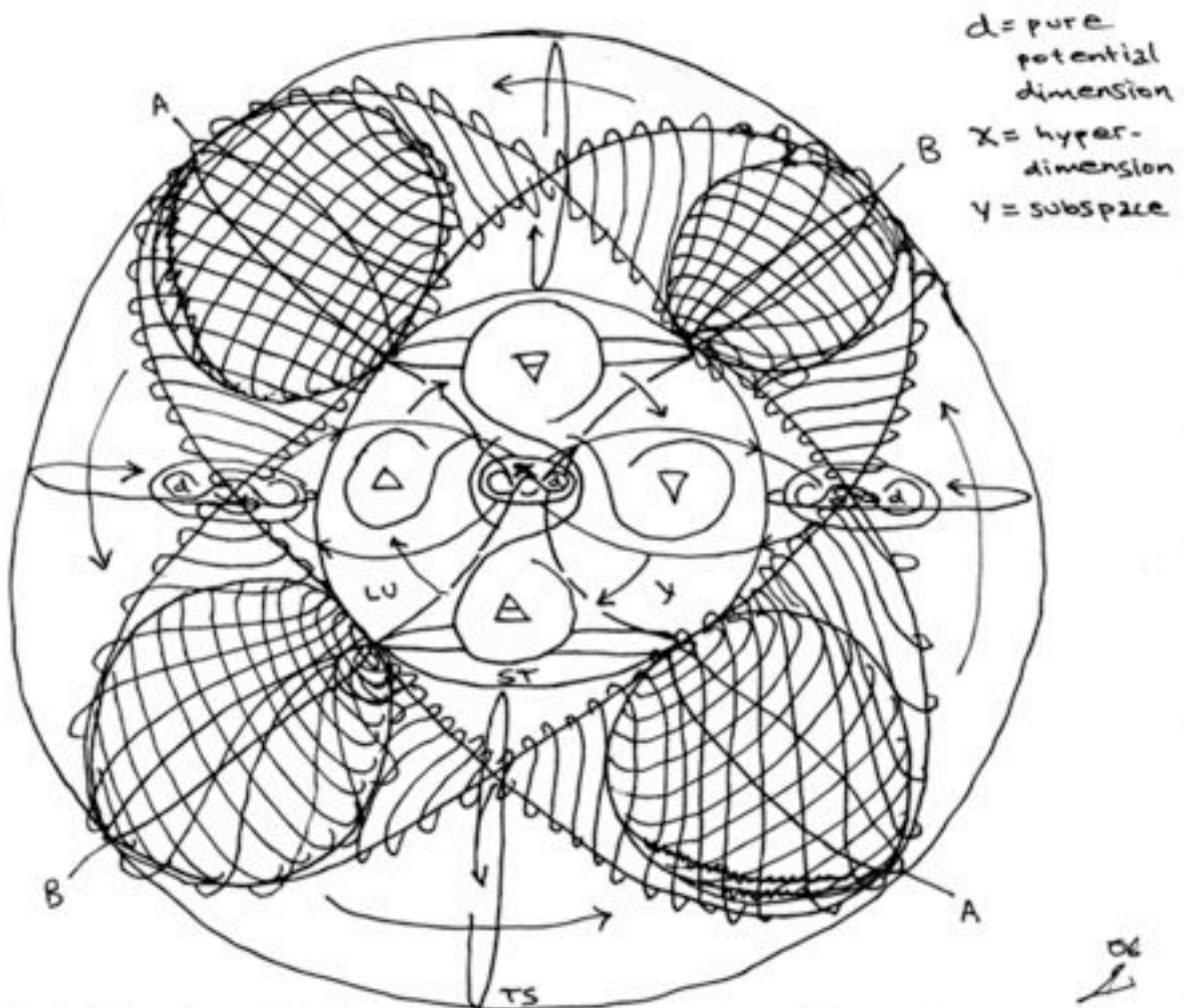
when A touches LU, BU acts as
 $BH \rightarrow BU$; when B touches LU, BU
 acts as $BU \rightarrow WH$



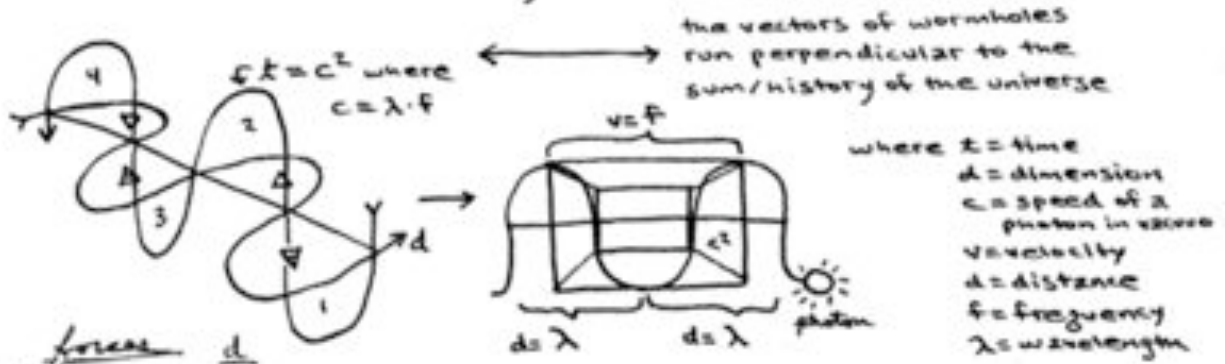
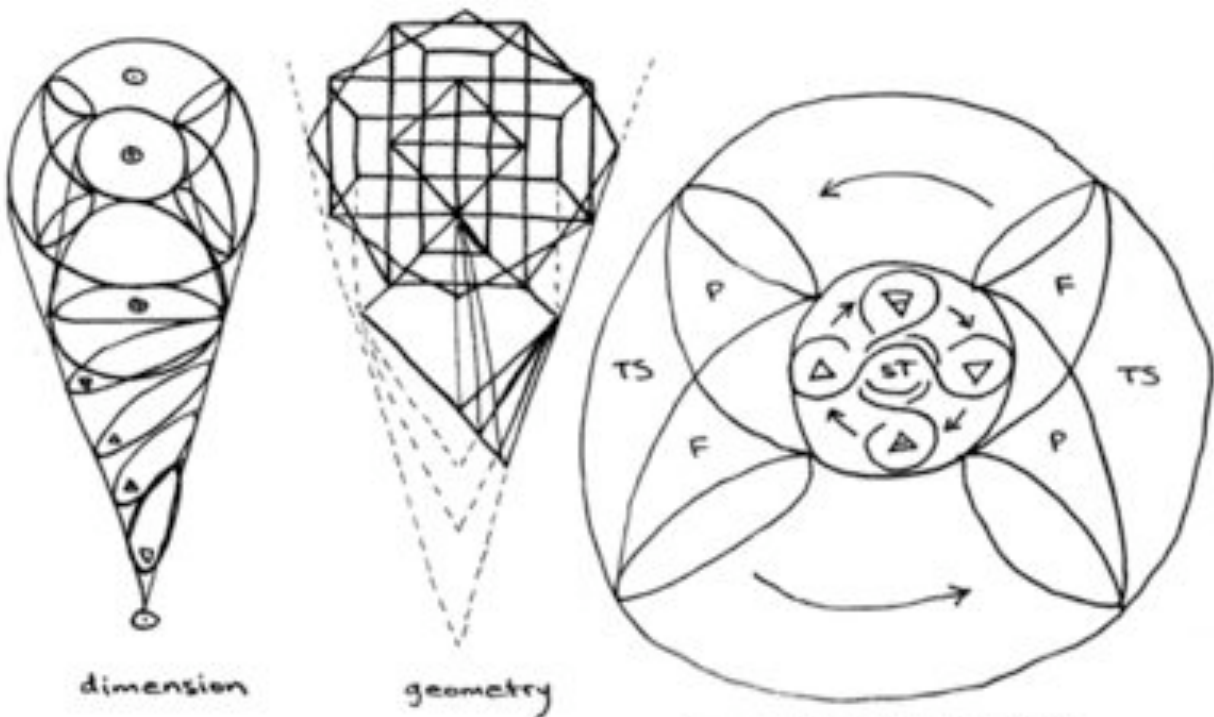
wormholes
 go around
 BU'S in the
 TM inside TS

exit @ B point

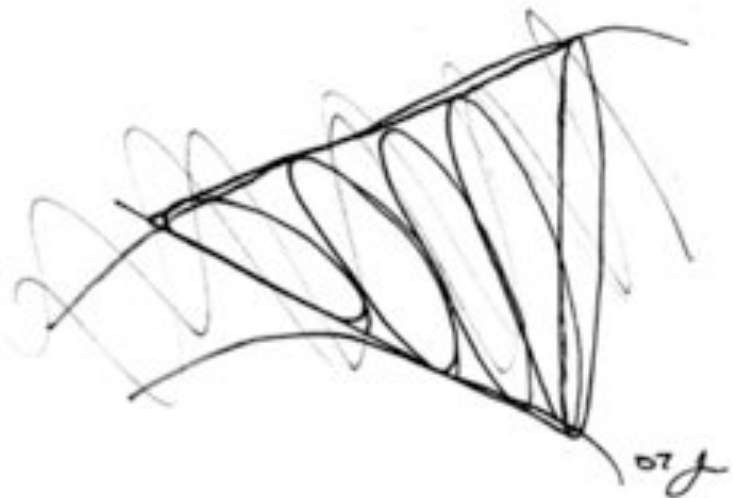


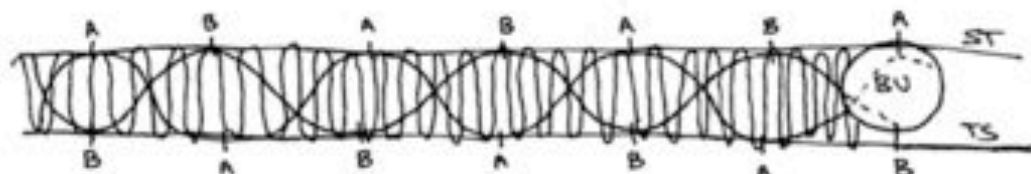
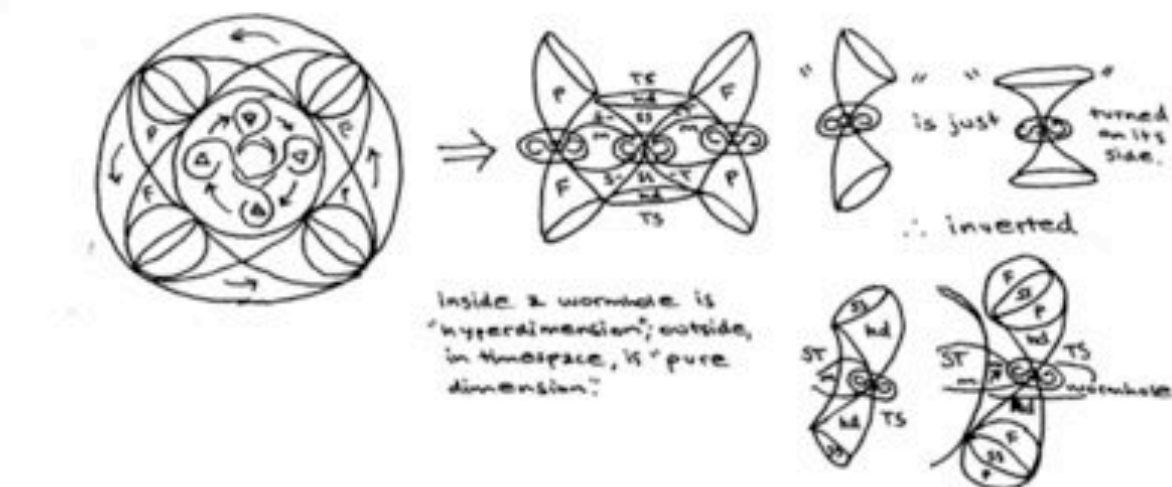


by delimiting the X , potential dimensional elemental forces, the precession of manifestation caused by the involution of tachyons produced by the counter-rotation of dimension and element has created a manifest, multiphased superposition of dimensions and elements that counter rotates relative to the tachyons outside of it due to the differential rotations both of itself and its lesser simulacra. Theoretically, if black holes hadn't formed until later on in our universe, there might be a greater number of elemental dimensions within local spacetime. The amount of differential rotation of our local universe is due to the number and size (collectively "magnitude") of baby universes surrounding it, which, in turn, causes the magnitude of new baby universes which it forms.



- forces
- ∇ strong $N = 1$
 - Δ weak $N = 2$
 - $\triangle$ em $= 3$
 - ∇ G $= 4$



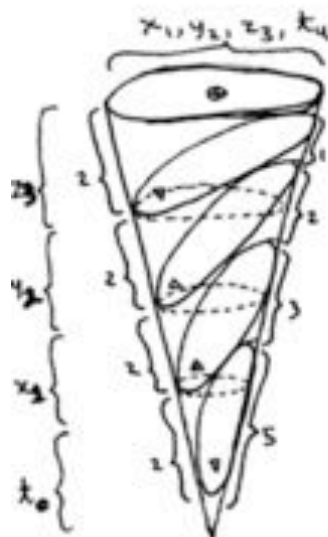


history of a baby universe. Pole A = input; Pole B = output

long λ = exchange of poles (precession) (π)

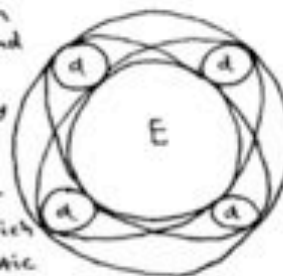
short λ = wormhole (differential rotation) (ϕ)

201 baby universes, since younger, will have a smaller "critical mass"

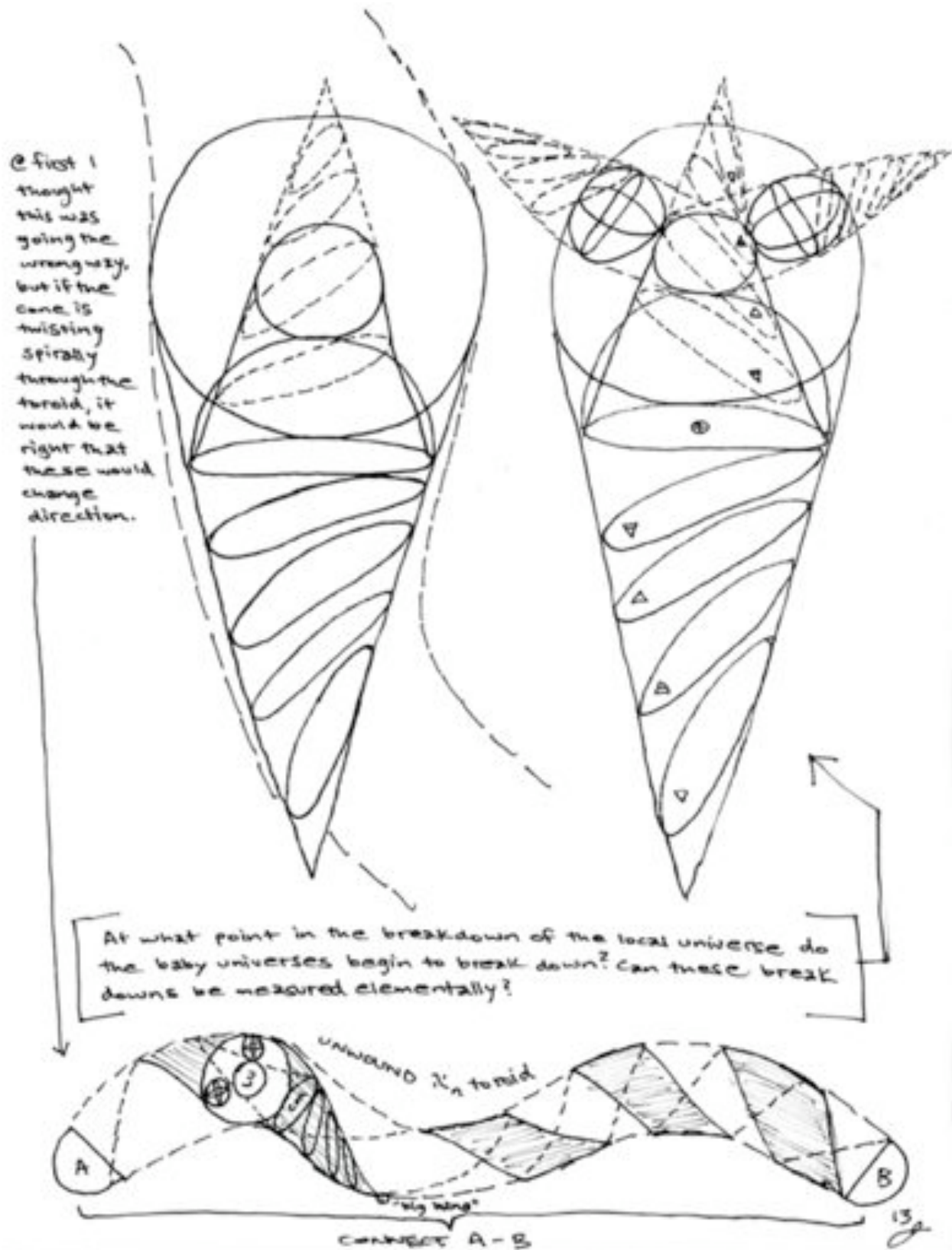


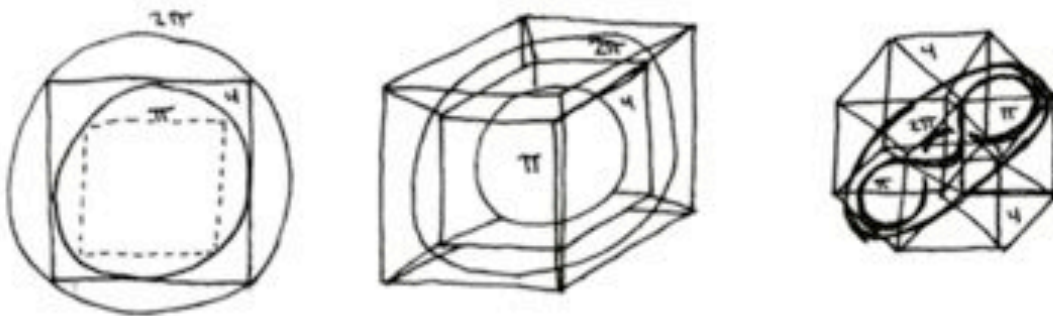
the differential, or "variegated," theory of the elemental forces allows that some forces which formed "later" universally, might have actually begun to form before the force(s) preceding them had, themselves become universal. Furthermore, it implies that, while the dispersion of the forces throughout the universe was geometrical (ϕ), their initial formation was algebraic (π).

ordinarily, pure dimension occupies n positions, like an electron cloud, around x "element"—which is essentially a nothingness, or undefined in an empty state, until dimension is acted upon such that its polarity precesses relative to element (like an electron when struck by a photon), at which point dimension takes on characteristic "orbital shell"-like level(s) of geometry, causing element to manifest as a characteristic force.



12g

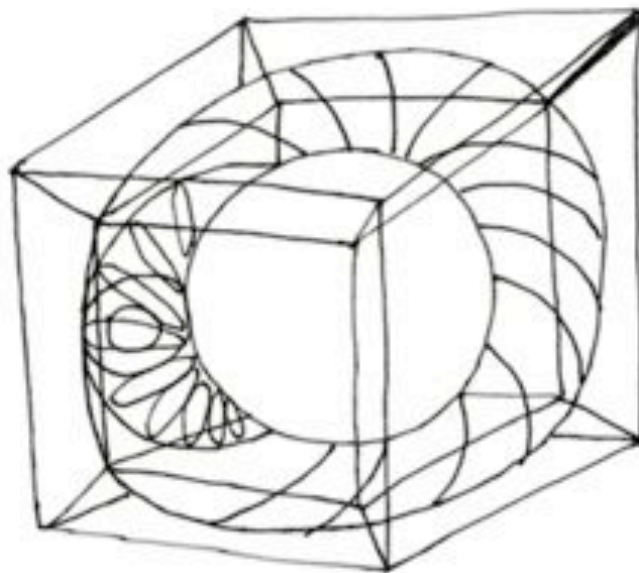




Turning the N_n toroid around. Looking @ it different ways...

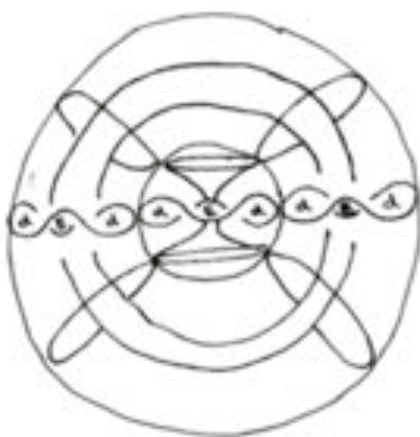


This is the most High. Yet it just looks like a peppermint to me.



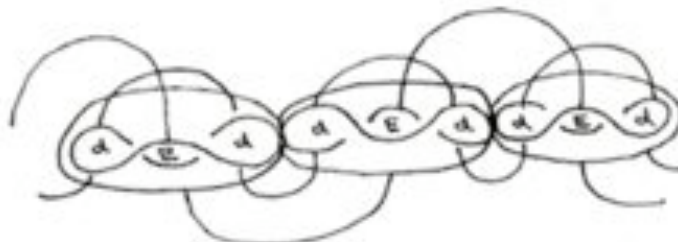
π

$\left(\begin{array}{c} \phi \\ \pi \end{array} \right)$
what
is
the
cause?



notes on gauge bosons: different whole # spins possess global symmetry (charges) & localizable symmetry (the colors of quarks in the strong nuclear force).

since the inherent motion dynamic of the K_n toroid is based on its transection by the interaction of dimension and element, does that imply that these are exclusively internal factors, or, conversely, part of an external current?

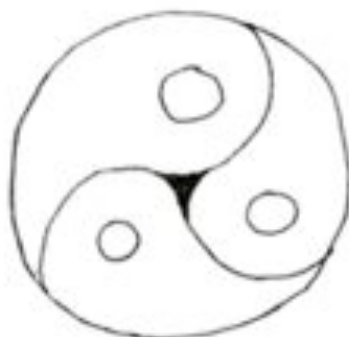


perhaps dimension and element possess supersymmetry — with dimension being of fractional spin ($\infty = 730^\circ$) & element being of integer spin (0, 1, 2, 3, ... etc.) like fermions and bosons?

if, in dimensions & elements, we are dealing with two different frequencies of current (as two different kinds of spin), then it would also be safe to speculate, since these represent a unified force field, that the two currents are perpendicular to each other, and/or that the spins are counter-directional to each other.



another possibility is that it is only one wave of current that passes through elements & between dimensions, or possibly there are all three types of wave combined.



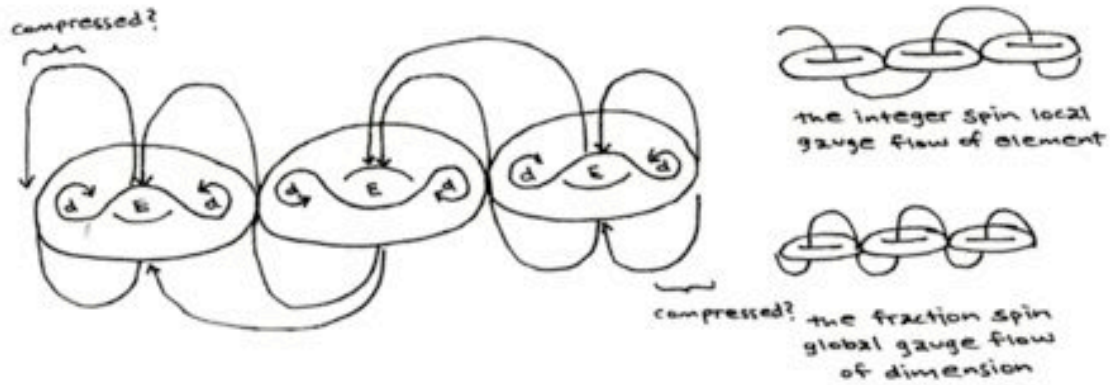
the three tori of the meridian & diameter of the K_n toroid expressed as the Buddhist triskelion.



the shape of the key — implying an only two wave structure.

∴ which two waves are complementary?
which two are most elegant?

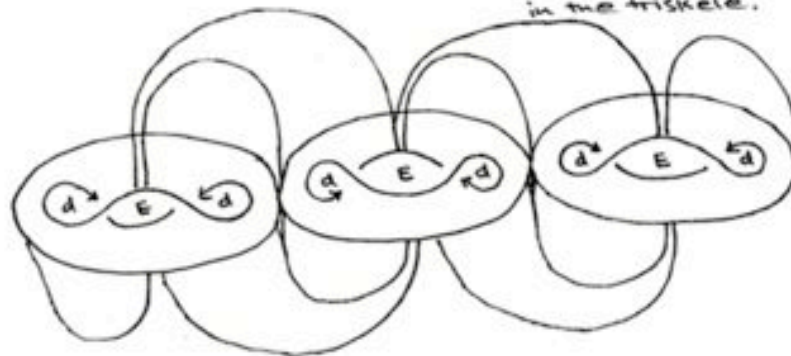
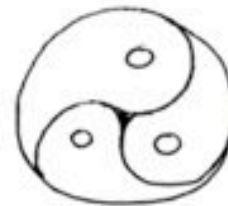
5-19-03
01
J



so it is these two currents that flow opposite one another. From where do they come then? Are they inherent to the mechanism of the λ_n toroid, or do they originate from something outside of $\mathbb{Z}$ even greater than it?



YIN & YANG
obviously the answer to the arrangement of wavelengths lies in the triskele.



the extra loop doubles around to make two additional passes opposite the first two.

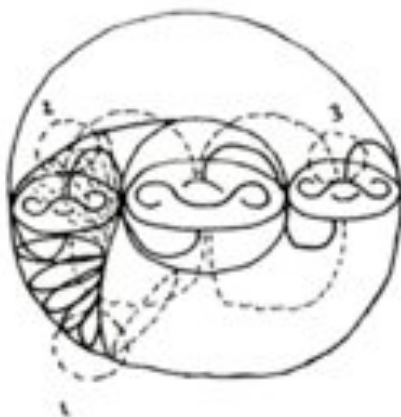
02
J

* the wave propagation is geometry. clearly this can only be due to a shortage of available terms.

the wave propagation of geometry between dimension and element relative to their respective positions in the N_n toroid determine and shape the axis vortex of the toroid's diameter. This axis itself represents the procession of manifestation.



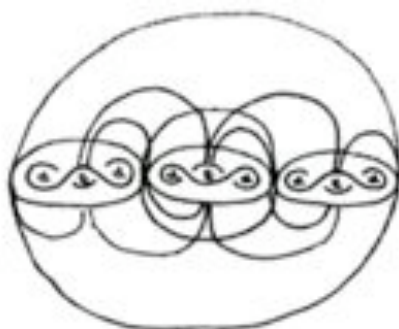
distortion to the four manifest elements by the m-brane delimits the n-dimensions of the meridian of the N_n toroid, however these dimensions were present before the big bang as wrinkles in pre-space time, as evidenced by the CMB probe, that would become the underlying pattern of the filaments, waves & voids of galaxies.



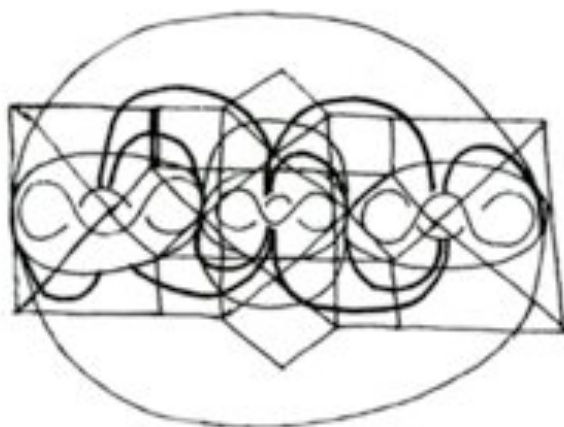
the wave of geometry stirs the differential rotation of the N_n toroid between the m-brane (going one way) & the internal of the meridian (going the other way). Geometry brings the measurable traits internal & external to the toroid into unified points.



5-20-03
of
J



the wavelength of geometry ($G\lambda$) as it passes through Element & dimension (E_d) in the X_n toroid at two frequencies (f).
 $fEG\lambda \equiv$ integer spin, while $f_dG\lambda \equiv$ fractional spin. $fEG\lambda$ possesses localizable symmetry, while $f_dG\lambda$ is gauge global only. Between the two of them they make up the spin of the X_n toroid. Because $fEG\lambda$ (the inside of the meridian) & $f_dG\lambda$ (the outside of the meridian) are perpendicular and flow in opposite directions to one another, the X_n toroid counter-rotates, and its involution is differential.



The geometry of Geometry. The tetracthal measure of the $G\lambda$ measured on the X_n toroid at antipode. Note the intersections, as well as the ratios.

if $2^{X_n} < X_\omega$ for every $\#n$, then $2^{X_\omega} < X_{\omega_4}$

natural #'s: $1, 2, 3, \dots, \omega+1, \omega+2, \dots, 2\omega, \dots, \omega^2, \dots, \omega^\omega, \dots$

$\sqrt{2}$ is algebraic, set size same as rational #'s

does the division of two transcendental transfinite
 produce a transcendental transfinite?

(non-algebraic
 irrationals)

others: $2^{X_0} \in \mathbb{C}$ & $n^{X_0} \in \mathbb{C}$ & $X_0+1 = X_0$ & $X_0+n = X_0$

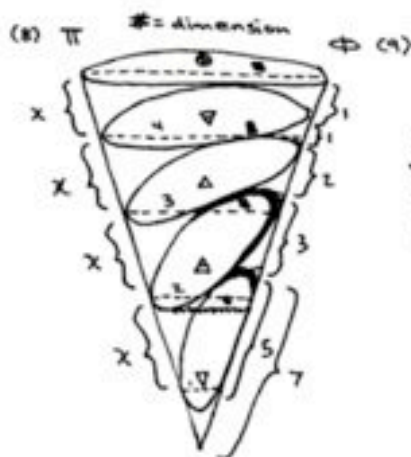
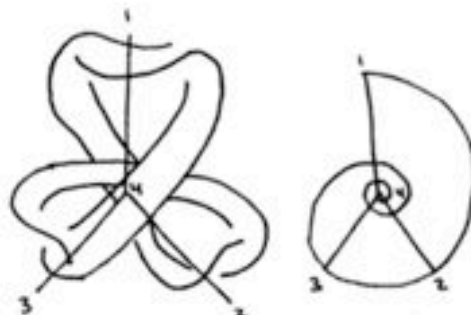
weak continuum hypothesis: $(2^{X_0} = X_1, < 2^{X_1}) \neq (2^{X_0} = 2^{X_1})$

generalized continuum hypothesis: $2^{X_\alpha} = X_{\alpha+1}$

Lozin hypothesis

2

order formed	sym.	elemental force	dimensional trait
1)	∇	gravity	the singularity
2)	$\triangle$	electro-magnetic	the dipole
3)	$\triangle$	weak nuclear	cohesion entropy
4)	∇	strong nuclear	



cohesion & entropy
"cross over" from
the order of the
strong & weak
nuclear force
because they are
the only two forces
that do not overlap
temporally in formation
after the universe's
creation.

• Spatial fourth dimension

(shows the measures of dimensional formation bent to a point of central overlap as the expanding singularity of the universe)

• temporal fourth dimension

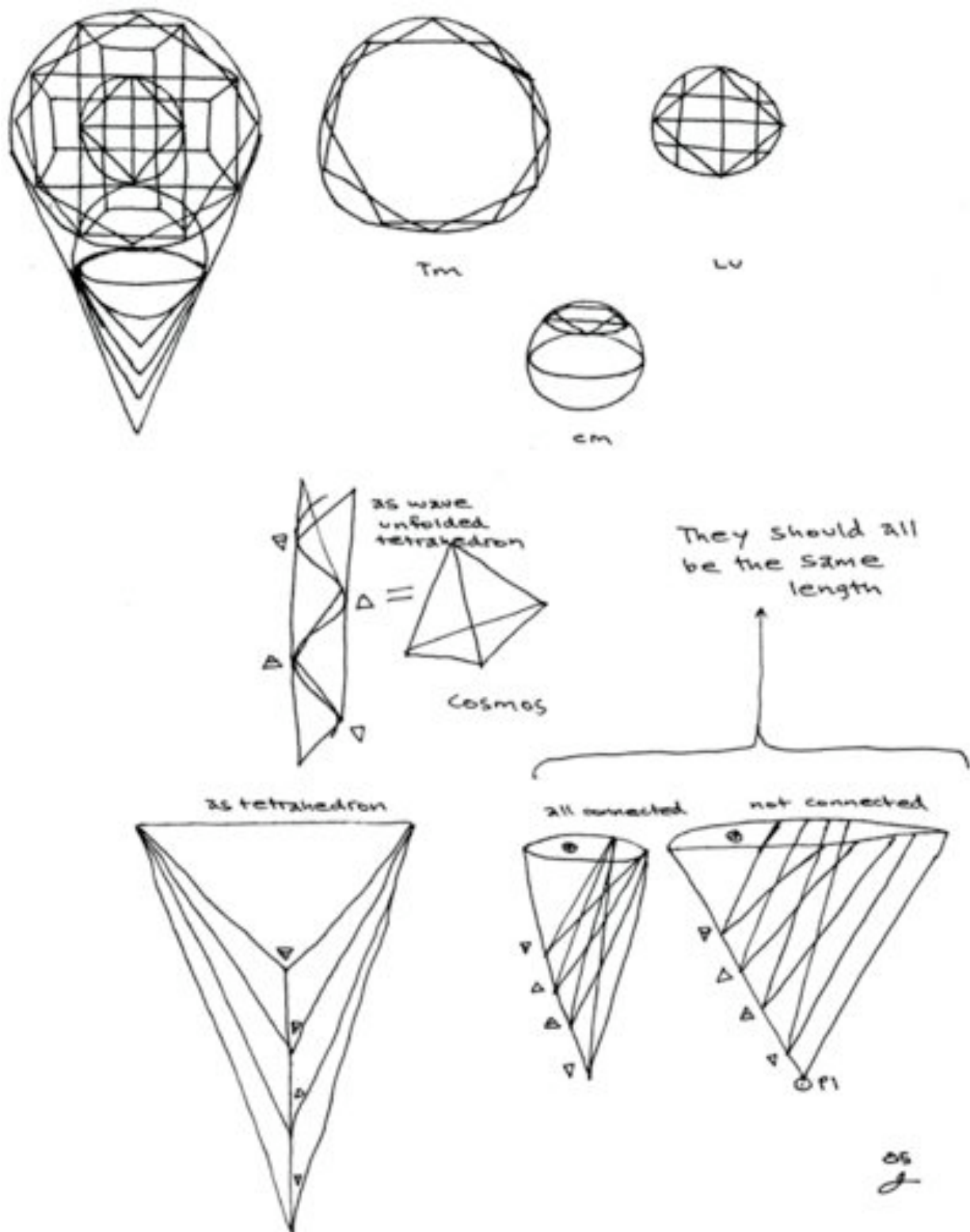
(shows the end of element form - then as looking down a light cone)

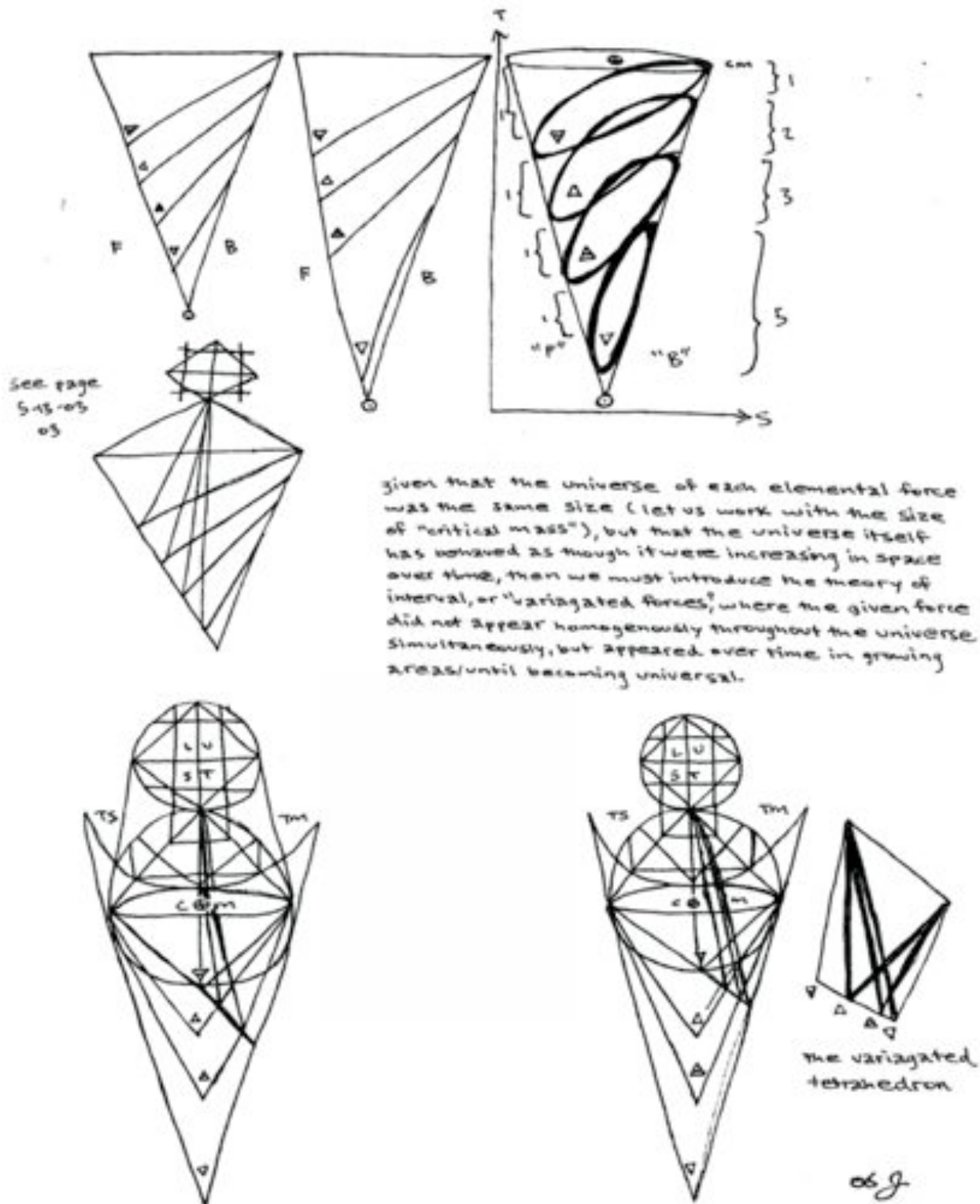
where X is the spacetime component in the model of the universe as a scale correspondent "expanding" (increasingly complexified) singularity, & where the sequence (1, 1, 2, 3, 5, 7, ... etc.) represents the Fibonacci sequence between the end states, or universality, of these elemental force fields. The difference between the X series & Fibonacci sequence = the distortion to the continuum caused by each force, as indicated (in the number sequence 1, 2, 3, 4) qualitatively above.

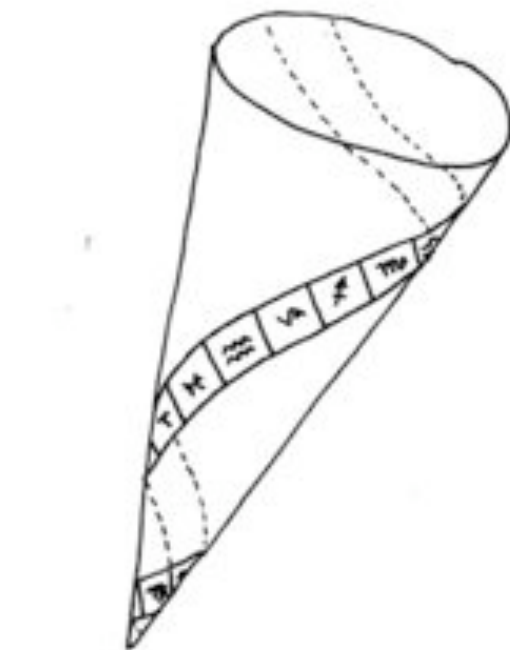
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01 *J*

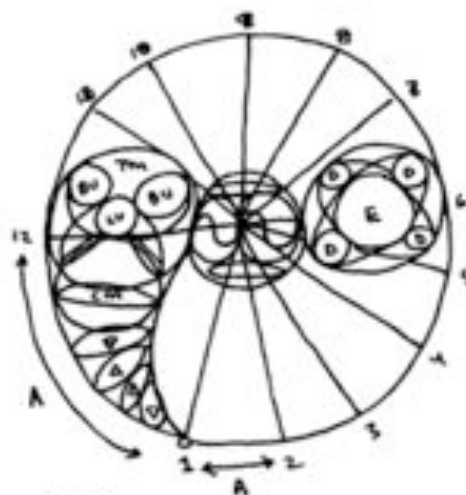
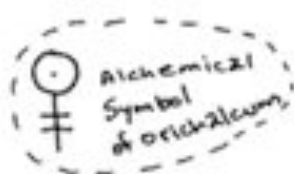
where the "variegated" theory of the elements differs from their light cone geometrical expression is in the concept of gravity being present from the moment of the "big bang". In the "variegated" model there is a slight discrepancy, while in the light cone geometry, gravity & the "big bang" are contemporaneous.







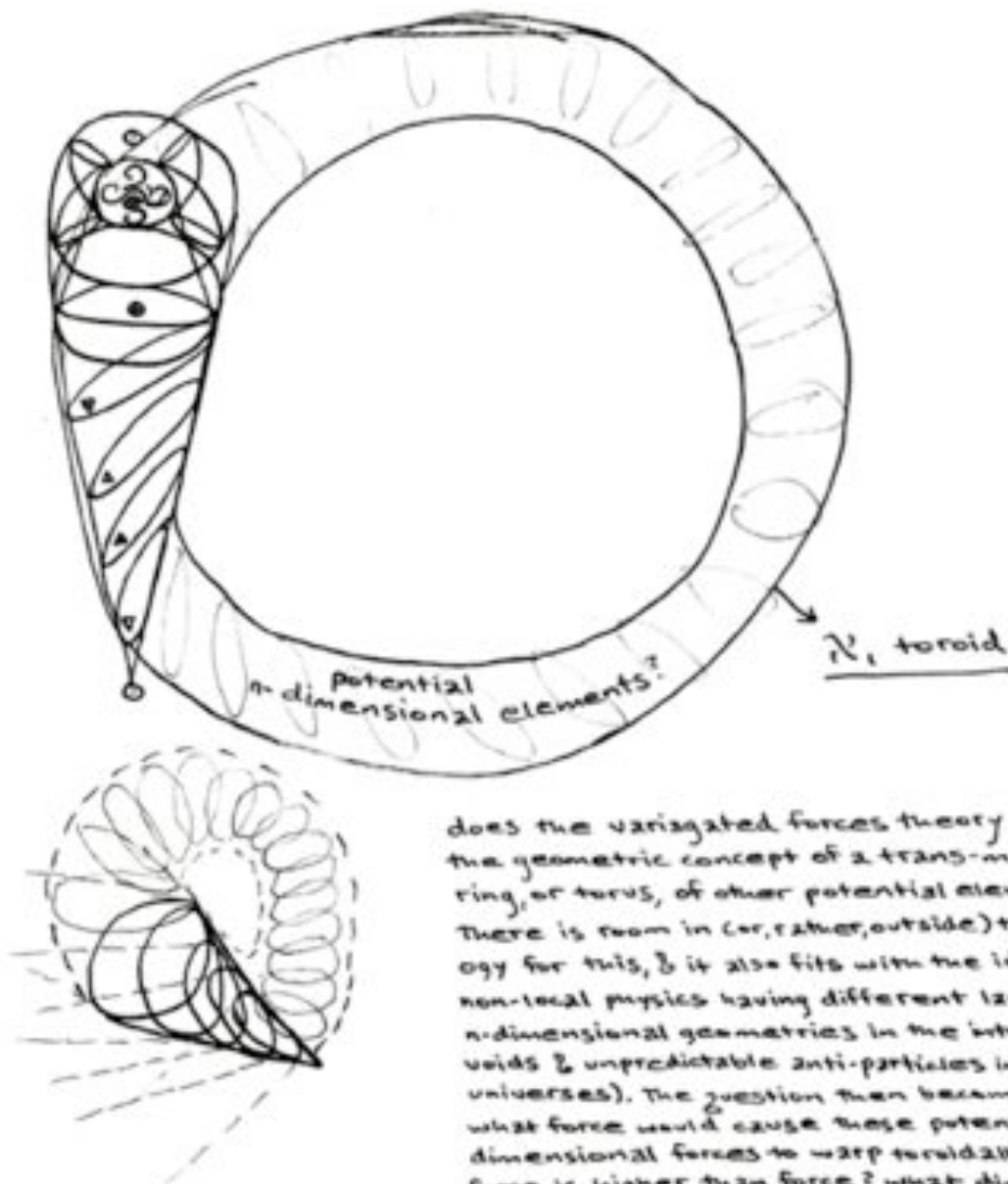
If the zodiac measures precession (rotation/orbit) and it can be plotted on a light cone (of orbit) as a spiral (rotation/orbit), then it represents a system of measurement that can be integrated into the larger light cone of the multiverse as it, itself, precesses around the $\mathbb{N}_n$ toroid. Thus, while the rotation of the earth precesses, so does that of the solar system's ecliptic relative to galactic core, the milky way's galactic plane relative to other galaxies; the sum over histories of the universe that is the multiverse relative to the $\mathbb{N}_n$ toroid, does the same thing.



A=A
(not to scale)

At first pass the zodiac appears to be an arbitrary creation, but upon careful consideration it is really an intricately refined numerical system with static math based on dynamic cycles. This proves true especially by its relations at higher numbers. For example $12 \times 6 = 72$, and the earth's poles precess 1° every 72 years, thus $(72 \times 30^\circ - \text{the measure of each sign}) = 2160$ (a great age). If we use 10800 years ago, the approximate age between the pyramids and Christ, we find 5 such cycles, or 15×72 , 900×12 . By taking the measure of the multiverse's light cone as $1/12$ the $\mathbb{N}_n$ torus, we can calculate its radius & area using π .

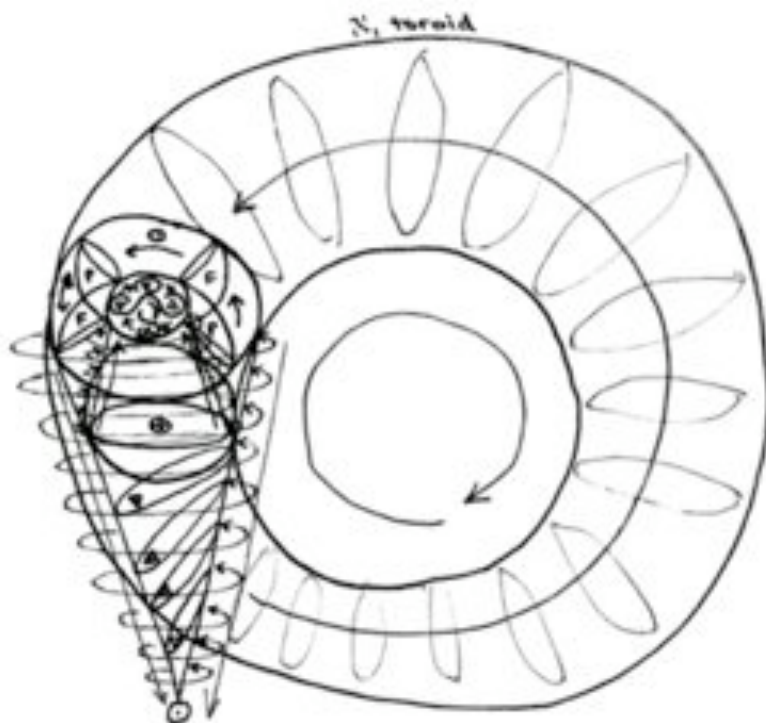
07



does the variegated forces theory imply the geometric concept of a trans-multiversal ring, or torus, of other potential elements? There is room in (or, rather, outside) the cosmology for this, & it also fits with the ideas of non-local physics having different laws (i.e. n-dimensional geometries in the inter-galactic voids & unpredictable anti-particles in baby universes). The question then becomes — what force would cause these potential dimensional forces to warp toroidally? what force is higher than force? what dimension can warp dimension? Let us say that the "big

bang" was simply an event that introduced cohesion to a sequence of these dimensional forces — $\nabla x_1, \Delta x_2, \Delta x_3, \nabla t$ — so the question of what caused the prima motivator, or original quantum fluctuation, might be answered by the same dimensional force as what maintains universal cohesion. Here we see that tachyons, that "light" in general, might just be another level of dimensional force in the n-dimensional torus of potential elements. To this we can add spin as being a force unto itself universally applicable to all the lower dimensions. Ergo, by combining tachyons & spin we might see as far ahead as the next force-dimension beyond them — but this would still only be inside the n-dimensional toroid, so it might, but only might, illuminate what force outside bends it.

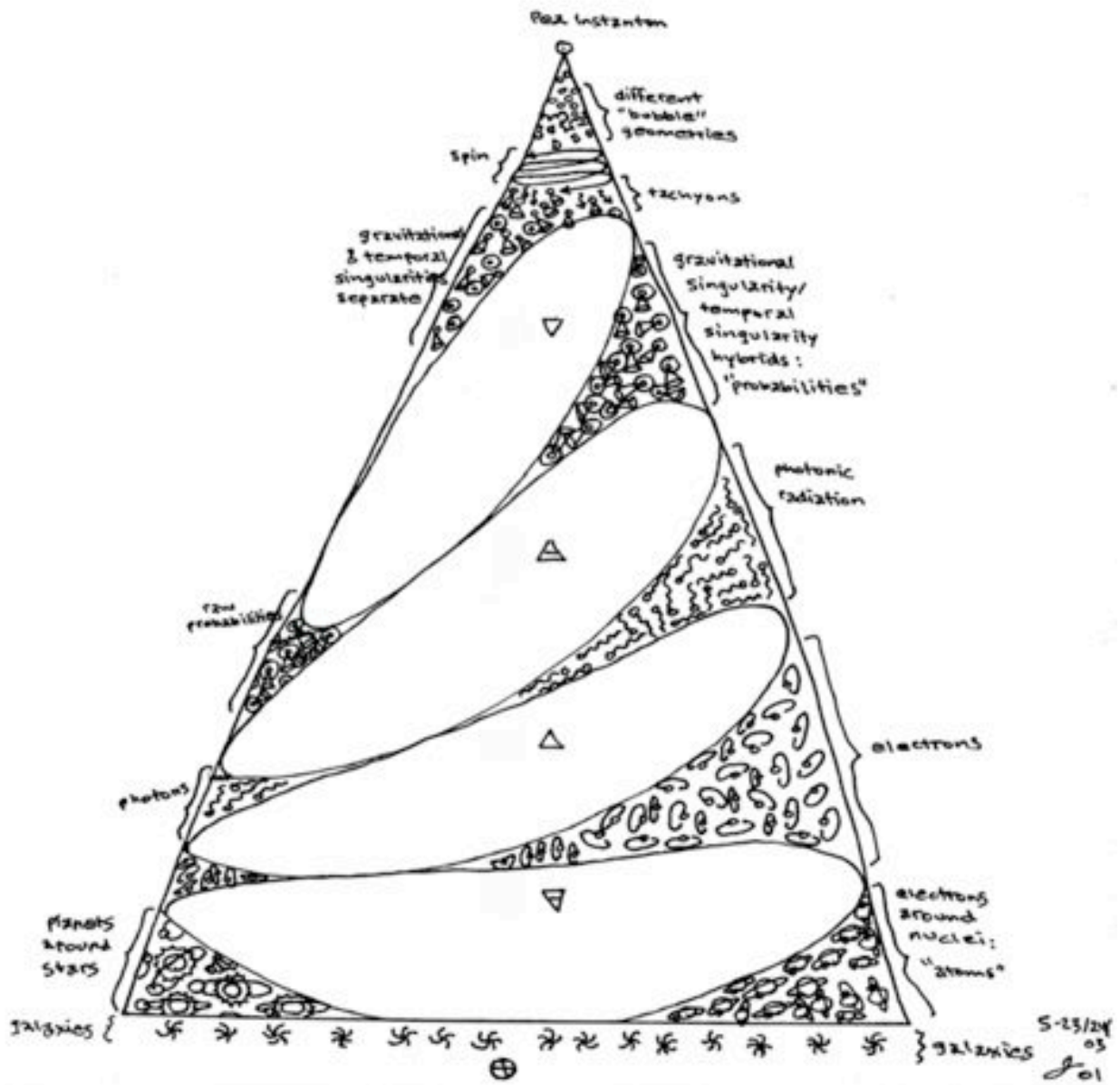
08f



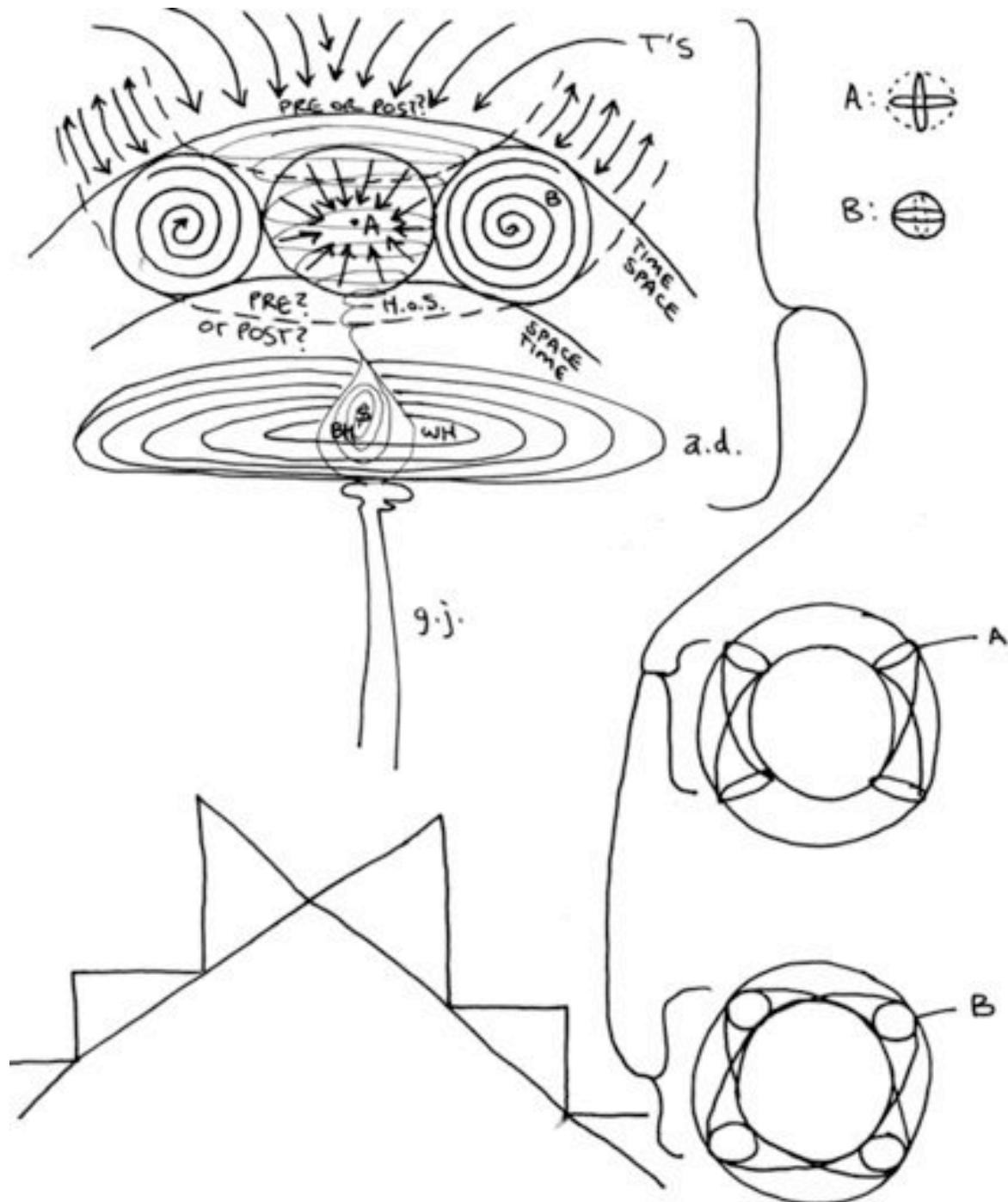
Let it be established the differential rotation of timespace/spacetime
 } that the Local Universe = $\frac{1}{3}$ the Tachyonic Multiverse, while the "critical
 mass" of the LU = $\frac{1}{2}$ Tm. Now we see the "Big Bang" as an inverting factor
 for the gear-like ("wheels within wheels") interconnectivity of the N_1 toroid
 of n -dimensional forces. If we further take the sizes of $\nabla X_1, \Delta X_2, \Delta X_3$ & ∇t
 as = to the diameter (d) of the LU @ "critical mass" (cm), and the circumfer-
 ence of the N_1 toroid (cN_1) as = to that of the Tm, then we can conclude
 that the decreasing mass of the LU is directly related to the combined L 's of
 $\nabla X_1, \Delta X_2, \Delta X_3$ & ∇t and cm ; that the increasing "mass" (information) of the
 Tm is directly related to cN_1 ; and that the former & latter are inversely
 related to each other — such that $\frac{(\nabla X_1, \Delta X_2, \Delta X_3, \nabla t)}{cm} = \frac{Tm}{cN_1}$ as well as
 $cm / (\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) = cN_1 / Tm$. With these relationships establish-
 ed thus, we substitute ϕ/π for both: $(\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) / cN_1 = Tm / cm$
 & $cm / Tm = cN_1 / (\nabla X_1, \Delta X_2, \Delta X_3, \nabla t)$. Here we see that initially the co-
 ordinates $\nabla X_1, \Delta X_2, \Delta X_3$ & ∇t are conical (relative to cm); but when com-
 mitted to cm relative to cN_1 , they become toroidal. Likewise, initially
 the Tm is toroidal, but when bound to cm becomes conical. Therefore,
 ultimately we must examine the cross factored equations:
 $(\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) / Tm = cm / cN_1$ and $Tm / (\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) = cN_1 / cm$
 where $\phi/\phi = \pi/\pi$ & vice versa. However, if it is the case, 1:1:
 $(\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) / Tm = cN_1 / cm$ and $Tm / (\nabla X_1, \Delta X_2, \Delta X_3, \nabla t) = cm / cN_1$

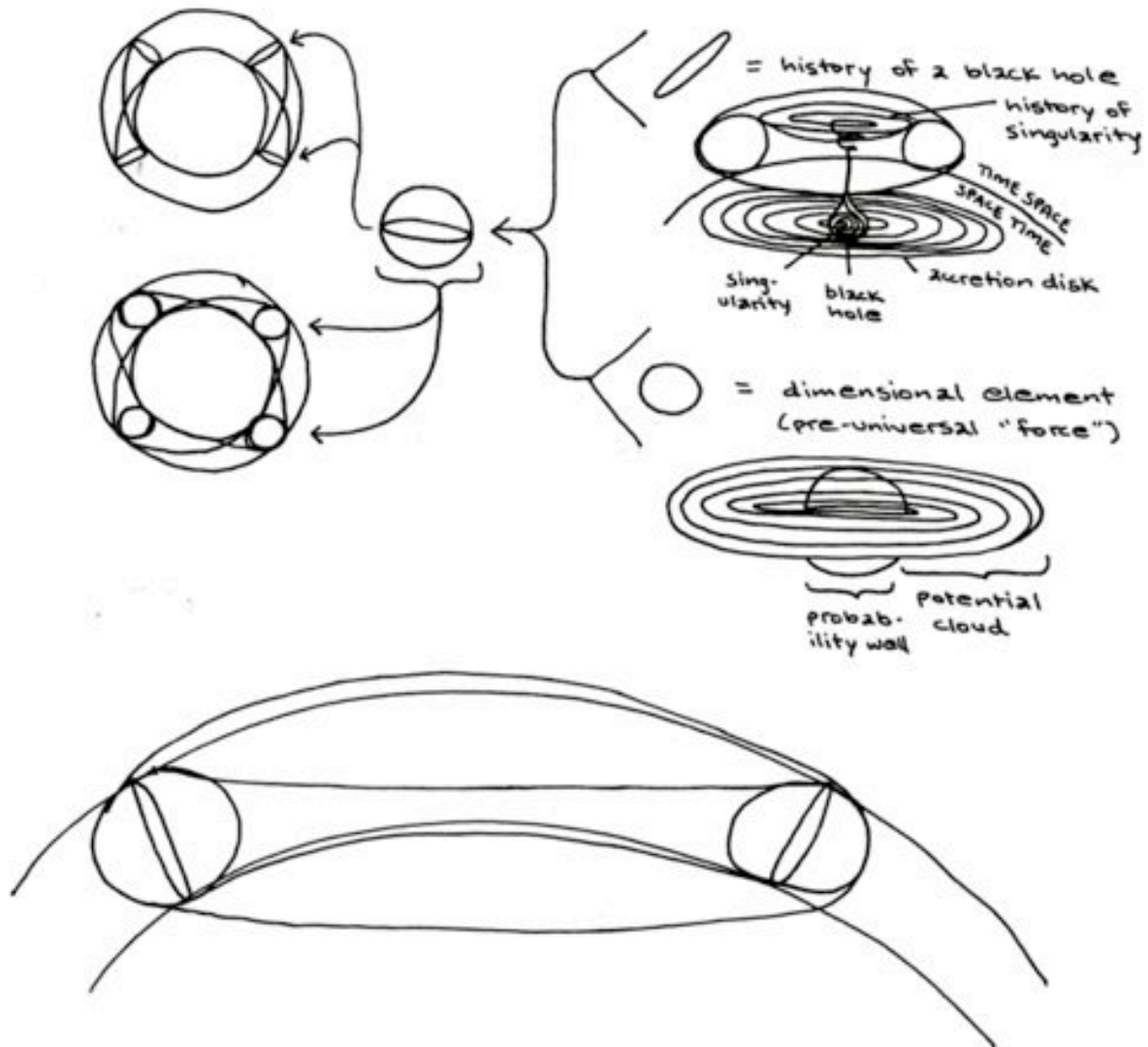
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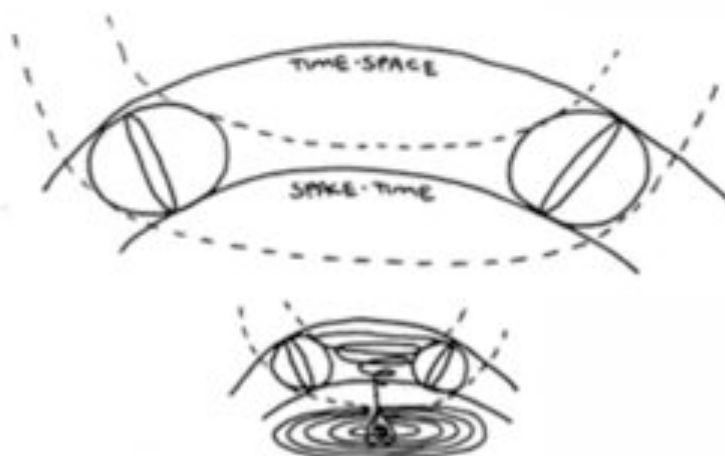
Given here are the "variegated" elements with the constituent influences of each on the continuum that gave rise to the different conditions of matter.



nb3.3:: aleph sub-n toroid







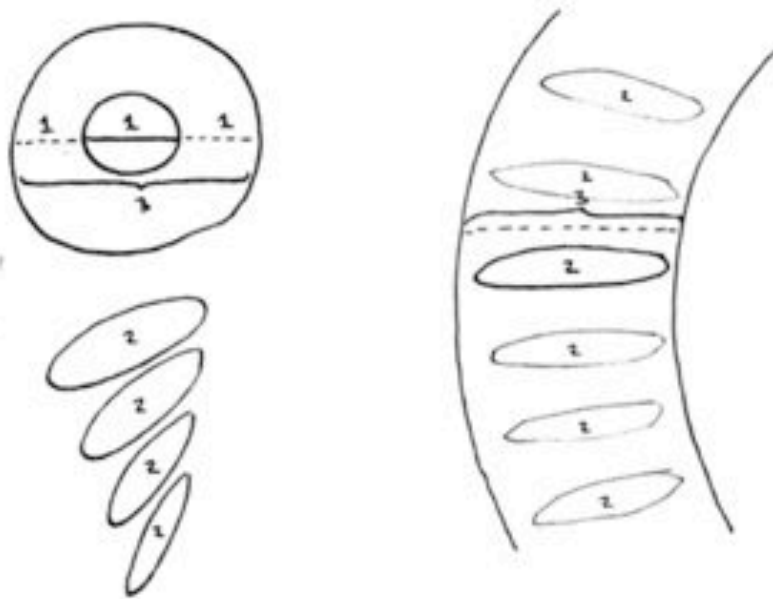
Q: what is the relationship between the pre-universal dimensional elements and the history of black hole singularities?

A: b.h.s's are a median state (lower vibrational frequency form) of the pre/post universal dimensional elements

Q: what is the complimentary toroid to SPACE-TIME / TIME-SPACE in the spiral history of black hole singularities?

A: or just as w.h's are the clouds of b.h.s's wells,

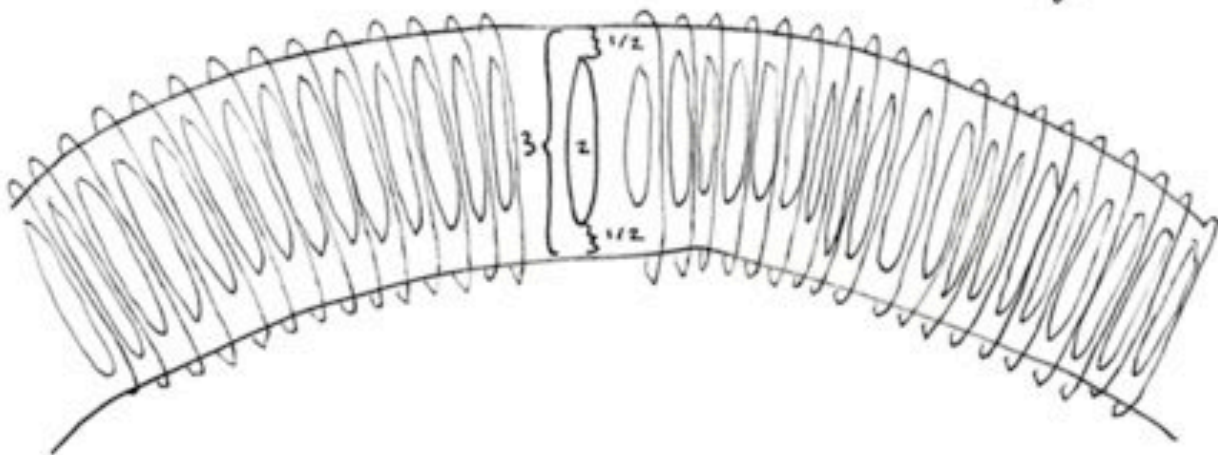
so the torus forms, like a pressure center in earth's atmosphere, between SPACE-TIME & TIME-SPACE. Just as the history of the black-hole singularity is internal to TIME-SPACE because it is connected to or "anchored" in SPACE-TIME (by the black hole itself), so are the histories of the wormhole singularities external to TIME-SPACE — like covalently bonded electrons sharing orbital clouds. Thus, the b.h./w.h. dynamic is like a macro-dimensional molecule with the pre/post universal dimensional elements.

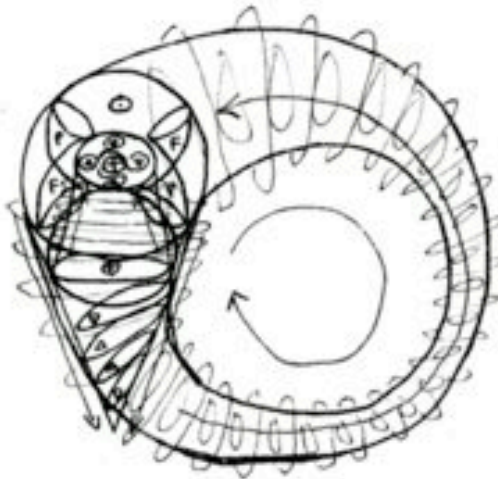


$$T_m / (\nabla x_1, \Delta x_2, \Delta x_3, \nabla t_4) = CM / C \chi_1$$

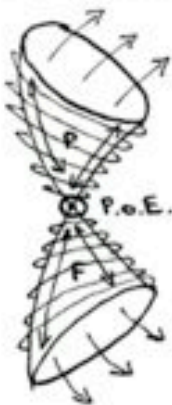
The question becomes, what force would cause the "big bang," and maintain the temporary coherence of dimensions through cm to the W , as convergent with the n -dimensional force χ_1 toroid? whatever "dimensional force" this is, which is outside the n -dimensional force χ_1 toroid — $\therefore$ neither "dimension" nor "force", is responsible not only for the "big bang" but for the toroidal warping of the n -dimensional forces of the χ_1 elements.

10f



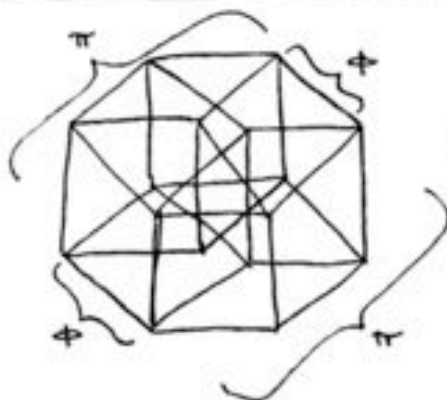


the N_1 toroid is a hyper-torus. It is a regular torus , or hypersphere , but with additional disks inside its circumferential ring  or . In this way it is distinguished from a regular torus as being of a higher dimensional order. This is appropriate for its depiction, however, as each of the inner-toroidal disks is its own unique dimension, their expression as compressed planes is artificially oversimplifying.



notes on the light cones of wormholes

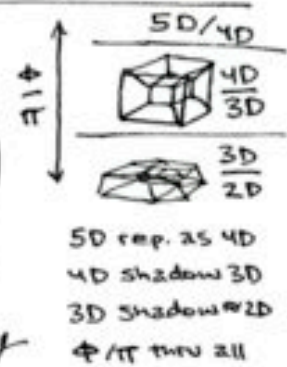
the "past" & "future" of the LC of a WH are relative only to the "point of entry." This is to say that — from the P.O.E., one can travel in either direction along the wormhole — towards, that is, a different exit, or towards the original point of entry. If one imagines travelling from entry point right back out where they came in to be a short journey, & thus sees the "past" 1/2 of the WH's LC to be time compressed, remember that the wormhole is a temporal singularity, $F=P$, such that the journey to any other exit point in the universe is equally instantaneous.

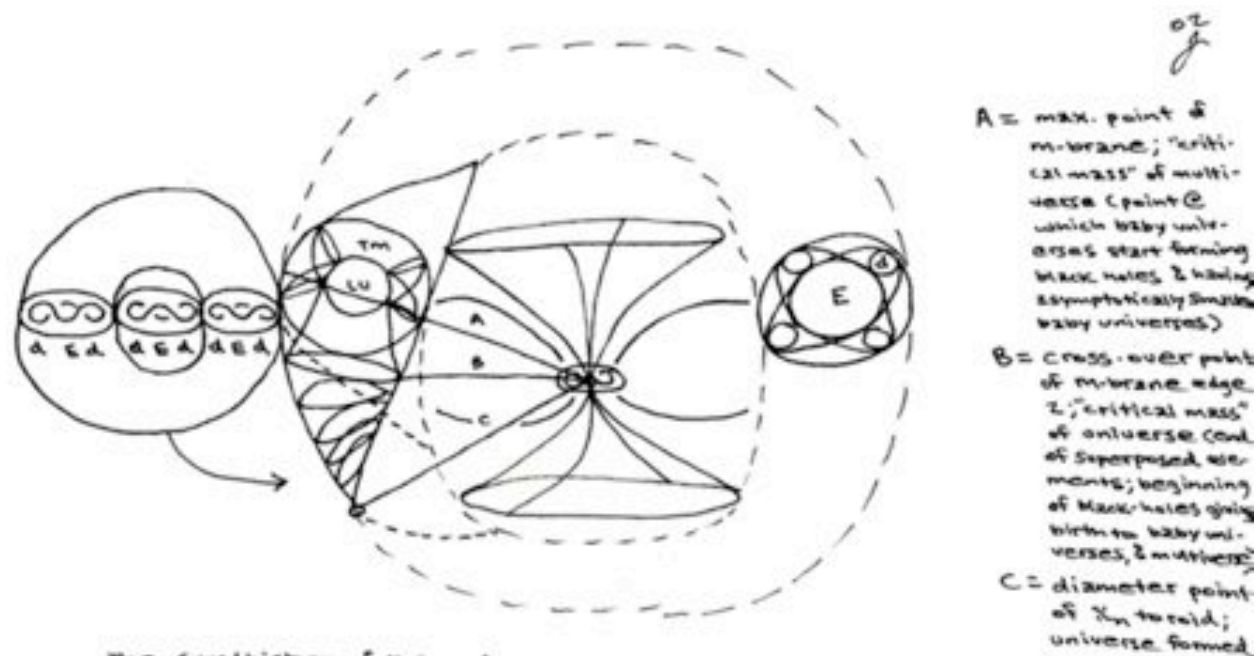


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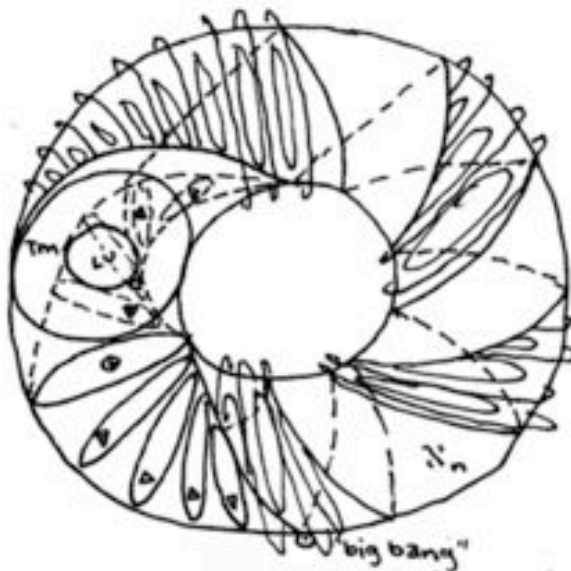


12 f

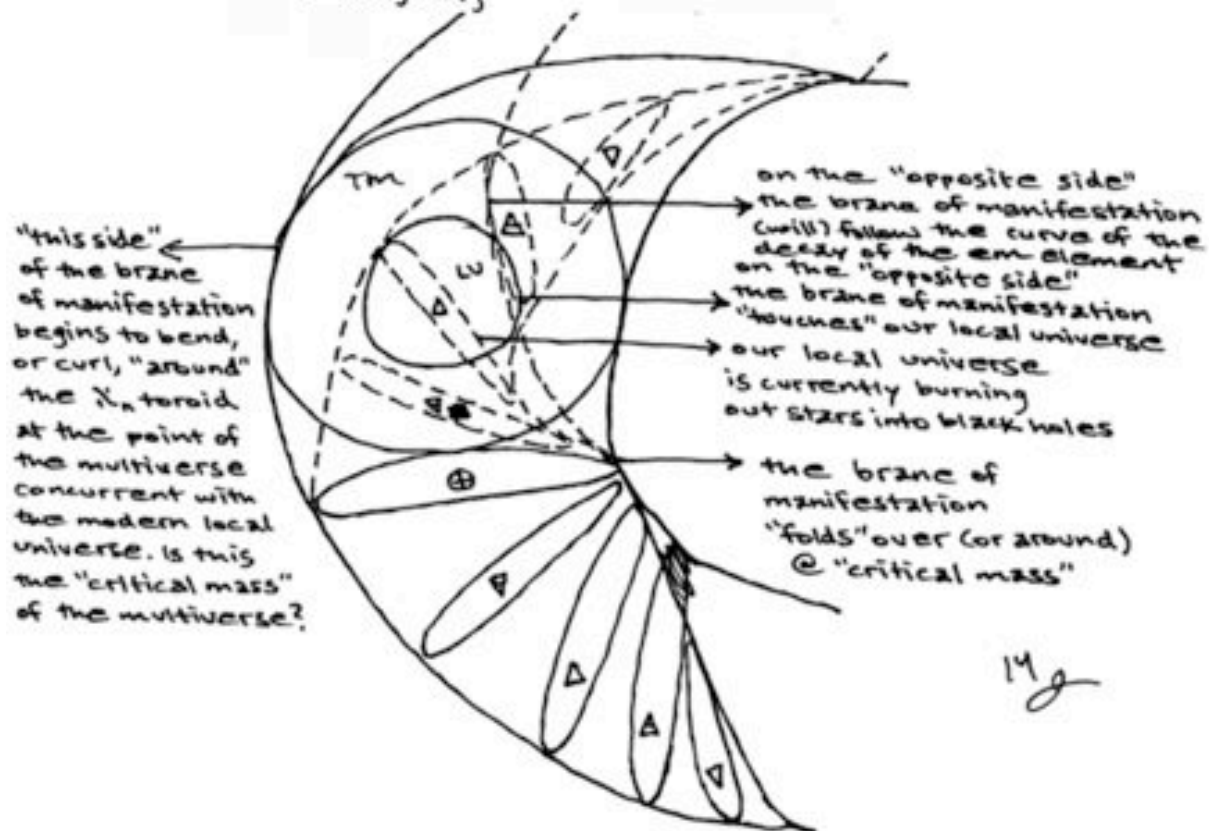


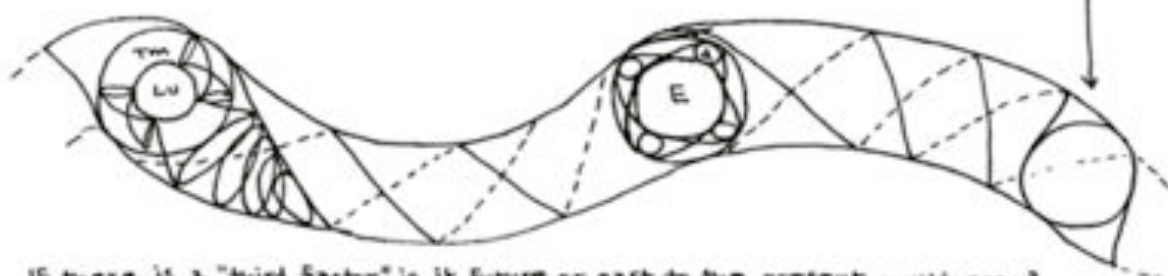
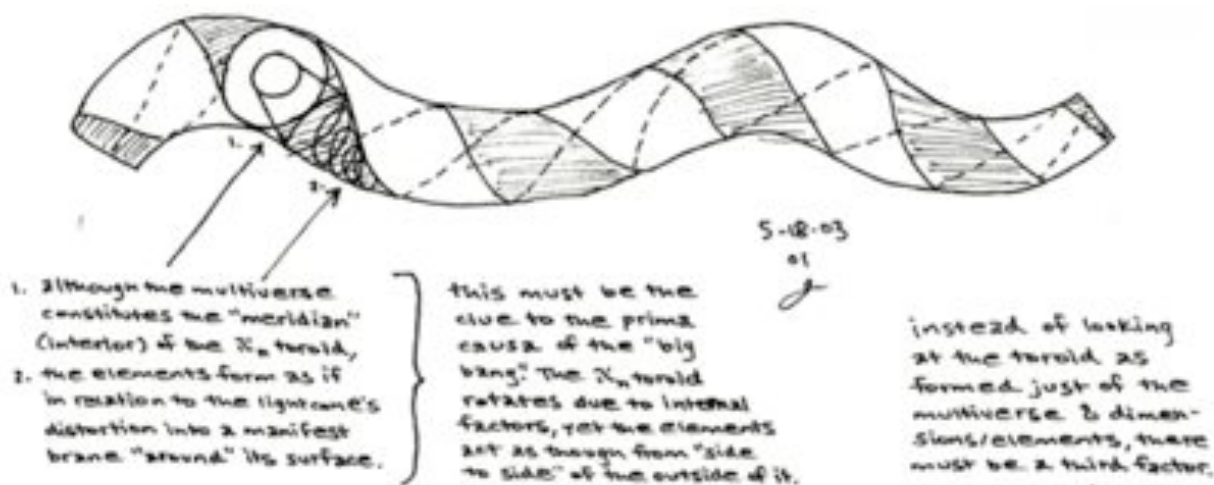


The sum/history of the universe constitutes a dynamic overlap of the
 m-brane surface and the internal diameter of the meridian of the X_n toroid,
 while d/E comprises the internal diameter when the m-brane is not involved
 in a dynamic relationship with it, when it is it is safe to say that a universe,
 such as our own, with a finite delimitation mechanism of dimensions and elements
 (as well, perhaps, like our own - with internal mechanisms for self-similar reproduc-
 tion leading to mass evaporation and eventual disappearance). Theoretically, by
 calculating that the present apparent diameter of the universe is 11.6 billion light
 years across, and estimating that as the difference between the universe at critical
 mass and the universe now, one could also speculate that that was the diameter of
 the universe at critical mass, and therefore the distance between the universe at
 critical mass and the big bang. This does not mean the mass of the universe today is
 equal to the difference of the distance (time) since critical mass / the current
 apparent universal diameter — the diameter at critical mass / the time (distance)
 from the big bang. Remember that the multiverse underlies the physical universe,
 and that microwave tachyons carry gravity, and that gravity acts the same way as
 mass, density or inertia. Thus, the universe appears 11.6 billion light years across,
 even though much of its mass has been consumed by black holes, and even appears
 to be expanding because gravitational tachyons keep being released by black holes.
 Therefore, even though it would be possible to calculate the universe's age
 (as mass or distance), it would still be difficult to use this as a measure of
 the m-branes cycle of universal creation & destruction as it "weaves" around
 the X_n toroid, where tachyons are involved the meaning of "time" breaks down.



if this is the case, as its simple beauty implies it must be, then what determines the delimitation of dimensions and decay of each local universal manifestation? Let us say that the superposition of dimension 2 characteristic fixity of a finite set of potential elemental forces can only occur on "one side or the other" of the X_n toroid—the question immediately becomes why? what is the prima causa?

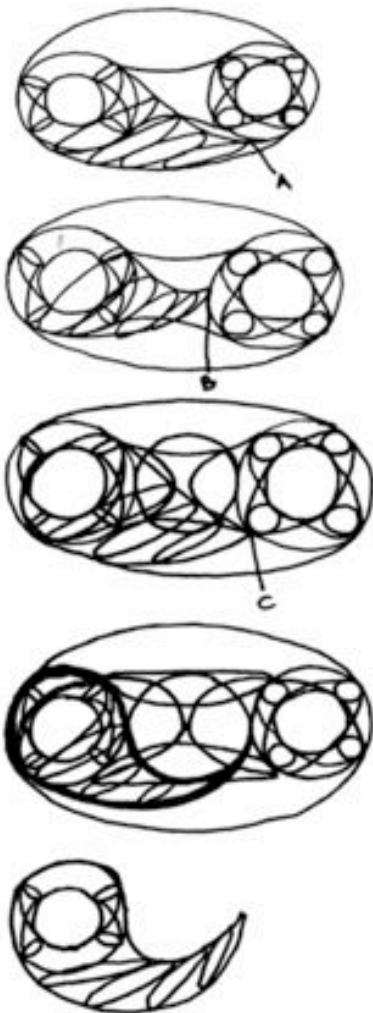




If there is a "third factor" is it future or past to the present multiverse? Now, the d_n & X_n overlap the TSTM, however the light cone history of the TM marks their difference. If the light cone measures time, then time must be the external surface of the X_n toroid. But we see that "time" is just the substance separating WSS from TMD, subspace from "hyperspace", and that this is internal to the "meridian" of the X_n toroid as to the difference of d/E. So it is not "time," per se, that makes up the woven "ribbon" wrapped around the external surface of the X_n toroid — even though this is, diagrammatically, what the light cone measures. Technically, since the light cone measures "time" before the Δ cm field of the LU was formed, it isn't even measuring "light" in the form of photons, and if the "light" that it is measuring is tachyonic, then it is measuring "time" that is flowing in at least two directions simultaneously.



The manifest elements are bent relative to the brane on the "opposite" side of the X_n toroid for the same reason as the prime cause for the "big bang": "time" (the flow of the constituent continuum) flows in one direction internal to the "meridian" of the toroid, & opposite on the surface of the m-brane on its external surface. The "big bang" was their juncture, & "critical mass" is their mid-point.



view A: Here the event-singularity (or "big bang") is seen as external & deriving only from the spin of the exterior of the $\mathbb{R}_n$ toroid.



view B: Here the e-s ("bb") is seen as internal & deriving from the combination of the interior & exterior spins of the $\mathbb{R}_n$ toroid.

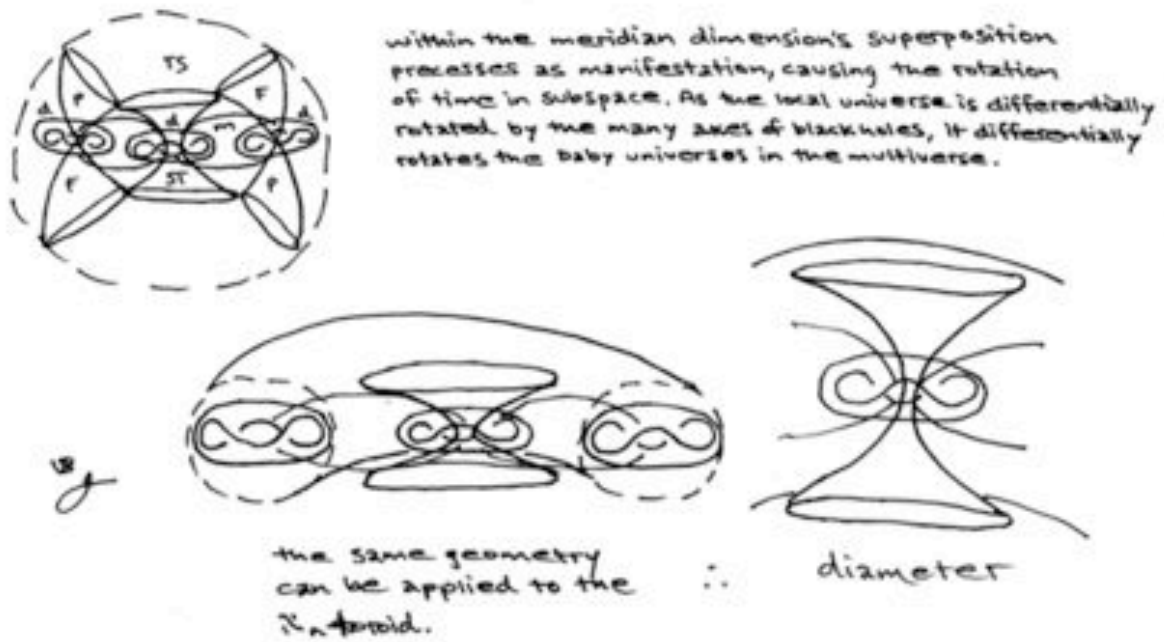
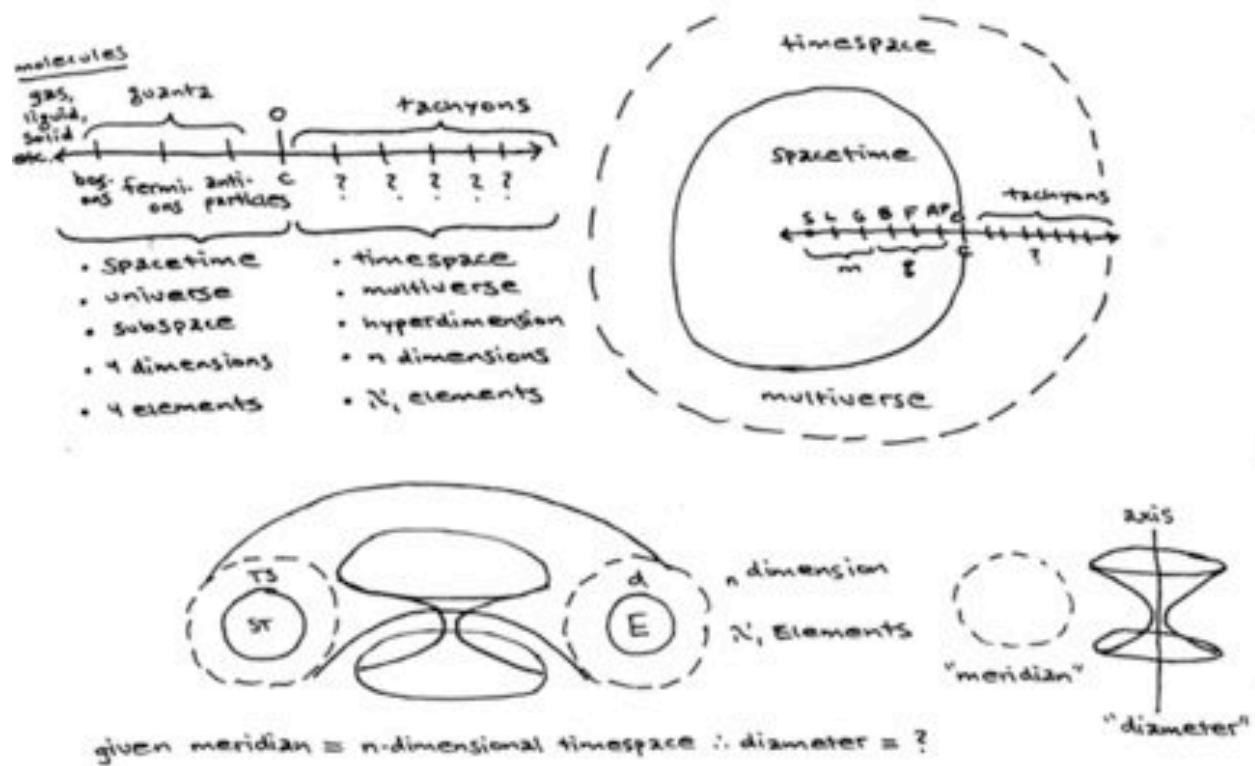


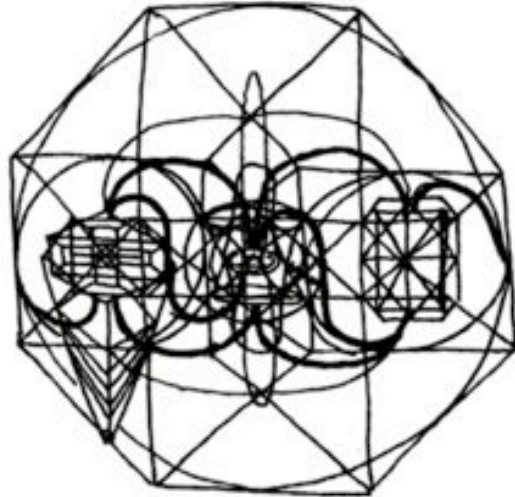
view C: Here the e-s is also seen as internal however derives only from the interior spin of the $\mathbb{R}_n$ toroid.



view B₁: Here we see the dynamic of the interior / exterior (ϕ/π) spin as the cause of the internal e-s.

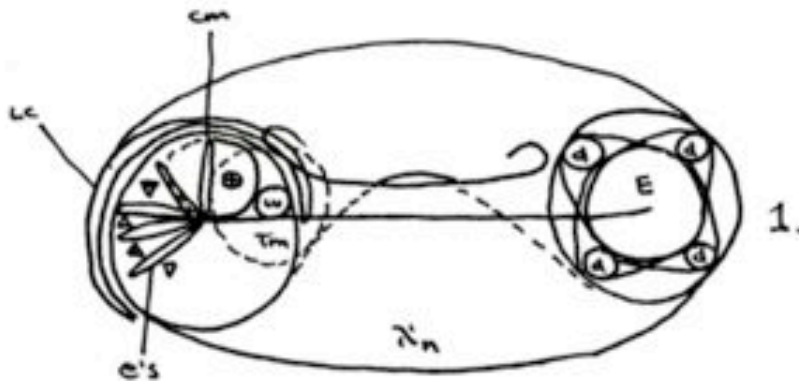
view B₂: Here is a history (light-cone) of the universe extracted from B₁.





the $\mathcal{N}_{\omega 4}$ tesseract geometry of $\mathcal{N}_{\omega}$ wave of geometry through the $\mathcal{N}_n$ toroid. on the left side is the geometry of the n -dimensional multiverse & the 4-elemental force light cone sum/history of the local universe. on the right is the geometry of n -dimensions surrounding $\mathcal{N}_1$ elements. The dark lines are the $\mathcal{N}_{\omega}$ wave of geometry. In the center, surrounded by the left & right diameter circles of dimension 2nd and the above and below diameter ellipses of element, is the radial axis of the $\mathcal{N}_n$ toroid's diameter. This diagram shows that the birth of 4-dimensional (& consequentially 4 elemental forces) universes such as our own is octagonal, but that the hyperspherical $\mathcal{N}_n$ toroid does not need to be restrained in its cyclical creation of universes of other dimensions & elements (even simultaneously) with consequentially different life spans. In fact, the only reason we are even bound to conceptualizing the $\mathcal{N}_n$ manifold as 2-torus (limited to at least $\mathcal{N}_{\omega 4}$ tesseract geometry) is because, anthropically, we are seeing it as a shadow expressed within the confines of our own four dimensional continuum, whose dimensions we are constrained by and forced to project onto it.

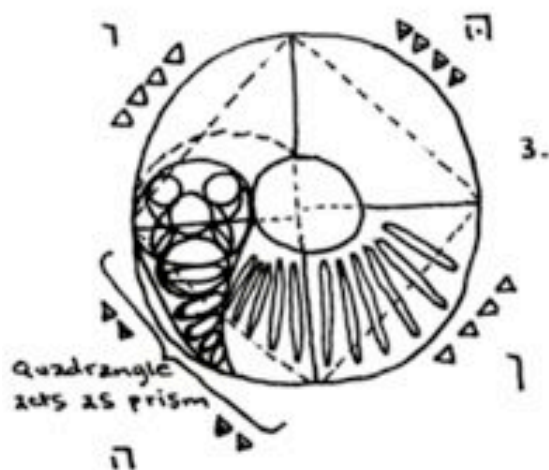
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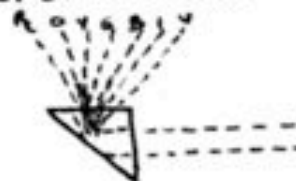
1. This diagram shows the relationship of the 4th order elemental forces (e's) to the light cone (LC) of pure dimension. Note that they are bent sideways (flattened) from the opposite X_n element (which is head on) and only $1/2$ its size.



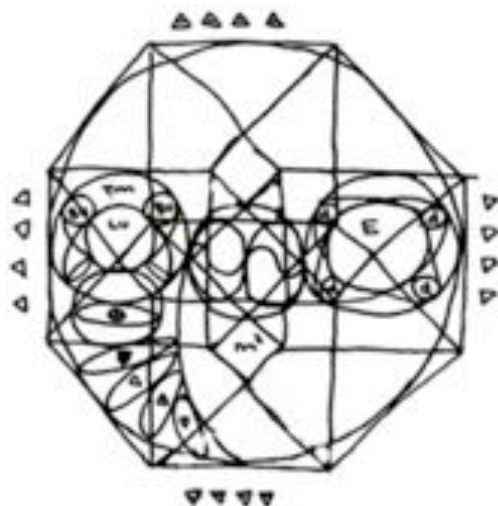
2. This diagram shows roughly what the spiralling dimensional light cone looks like. (one extra twist) it looks like a phone chord to me. :)



3. This diagram, also of the X_n toroid, but seen from "above", shows how the quadrangle formed by the four fourth order forces acts upon the X_n elements like a prism on photons. It (the precessing geometry of manifestation) splits the "ray" into components, each smaller than the original. In our universe it creates four such forces.



13



Graphic depiction of the X_{62} geometry octahedron surrounding the X_n toroid of X potential elements & n pure dimensions. It can be seen here how the division of elements by the wave (vector) of geometry occurs between the precession of one cube to the next, rendering them finitely manifest. To this end the energy level at which each force unifies with the others is a function of manifestation (m^2) or the precession of dimension and conservation of angular potential (elements). Therefore the G.U.E. (grand unification energy) is given by the formula $m^2 = p^4/E^4$ where p should be derived from calculating the duration of time since the "big bang" and factoring this into the base 12 system (of precession), and where d will usually equal the power of E in an asymptotically closed system (where higher orders break down) & where the power of E is given as 4 for our local universe.



Graphic depiction of the sub geometry of the X_{62} octahedron for the tachyonic multiverse and local universe at "critical mass". Note that the circumference of the baby universes (& thus our local universe) is determined by half the square that determines the circumference of the multiverse (at the point where it intersects the previous circumference of the universe at "critical mass"). This square has the same area as m^2 (shown) & so the formula for calculating the difference in size (area) of the universe at "critical mass", the present multiverse, & the size of the baby universe (& thus our local universe) involves the same ratios of variables.

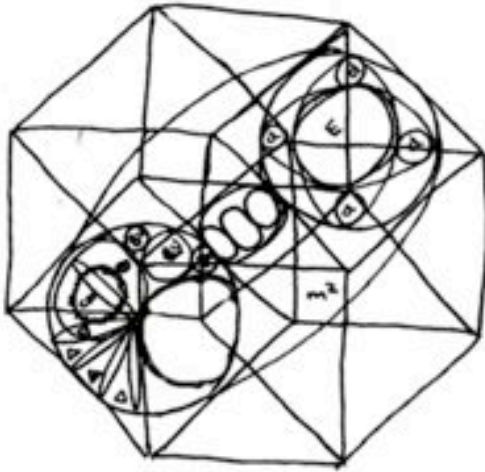


Graphic depiction of the subgeometry of the X_{62} octahedron for the wave of geometry (precession of manifestation) around which the X_n toroid differentially counter-rotates. Note that the sub-intersections of fE (the larger wave) are governed by the inner intersections of the two squares, while those of f_d (the lesser wave) by the outer. These squares are about $4/3$ the size of m^2 , & since they measure $fEdG\lambda$ they are also a hologram of the entire tesseract.

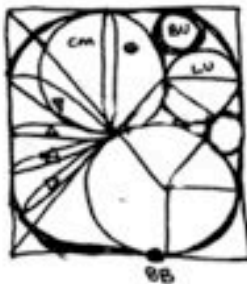


Graphic depiction of the subgeometry of the X_{62} tesseract for the cross-section of the X_n toroid, showing the superposition of dimension around element. Note that the measure of dimension here is $1/4 m^2$, which explains why in diagram it is shown in four superpositions around element. The assignments of dimension and element have hitherto been given gratis, as if interchangeable, however they are not, and this is due to a complex sequence of crossing over between them. Now n is a term for transfinite sums used in physics, so it is applied to dimension (even though dimension is mathematical). Thus X_n , which is the purely mathematical equivalent of n , is assigned, as a higher order, to element (even though element is physical). This is because dimension is pure & element is potential (even though, like the potential energy of an electron, dimension is superposed around element).

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of 2



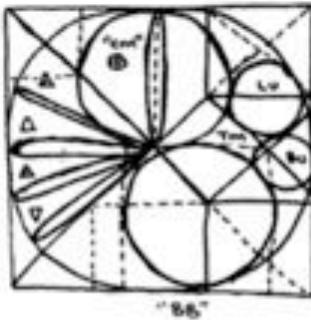
Graphic depiction of the X_ω tesseract measuring the X_n toroid at antipode. Note that the different circumference of the X element n -dimensional toroid is only due to the 45° angle at which the torus is seen — & thus also at which its cross section appears. It should thus be noted that the measure of the n -dimensional cloud of pure potential element is still rendered as $1/4 m^2$, thus the foregoing equation remains the same. Also, the triple wave at the center of the toroid does not represent the $FEd \lambda G$, but rather the vortex between the two FEd & four Fd 's thereof as seen from above, hence its geometry is tripartite within the center square rather than determined by the intersections of the two squares; thus it is 2 holographic representation of the toroid at antipode rather than as a nested hypersphere.



Graphic depiction of the subgeometry, according to the X_ω tesseract, of the lightcone history of the universe viewed from the X_n toroid at antipode. This is almost too beautiful for words. Note the harmony of the circumference of the universe at "critical mass" with the remaining area of the toroid not included in the light cone — almost implying twin forms with in the cross section of the X_n toroid existing simultaneously, such that the ratios of the local universe & baby universes can be seen to continue to break down until all that is left are their constituent potential elements as ripples in timespace preceding another cyclical "big bang". Also, the relationship of the three m^2 's can be seen to measure not only the ~~radius~~ radius of "critical mass" (by implication in its equal & opposite area) as $2/3 m^2$, but also the diameter of the local universe ($1/2 m^2$, or m), & therefore also that of the modern baby universes as a ratio between these two ($1/6 m^2 = 2/3 m^2 - m$). Also m is given as $1/4$ the square of the inside of the universe at "critical mass" (which measures timespace prior to tachyonic transcendence causing black hole gravitational singularities creating baby universe & wormhole temporal singularities of n -dimension that has since turned timespace inside out into spacetime). $2m$ is given as the diagonal, thus, of spacetime — the larger component of timespace — as the outer cube of (again by implication by its opposite) the local universe at "critical mass". Here it can also be seen that each of the elements is equal to $2m$. These sums should provide sufficient commutativity between the measures of the multiverse, the cross section of X_n , and the wave of geometry.

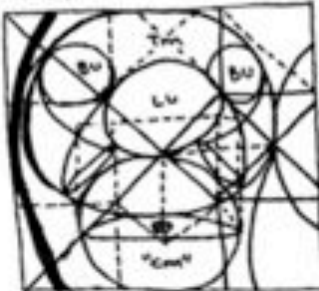
preceding another cyclical "big bang". Also, the relationship of the three m^2 's can be seen to measure not only the ~~radius~~ radius of "critical mass" (by implication in its equal & opposite area) as $2/3 m^2$, but also the diameter of the local universe ($1/2 m^2$, or m), & therefore also that of the modern baby universes as a ratio between these two ($1/6 m^2 = 2/3 m^2 - m$). Also m is given as $1/4$ the square of the inside of the universe at "critical mass" (which measures timespace prior to tachyonic transcendence causing black hole gravitational singularities creating baby universe & wormhole temporal singularities of n -dimension that has since turned timespace inside out into spacetime). $2m$ is given as the diagonal, thus, of spacetime — the larger component of timespace — as the outer cube of (again by implication by its opposite) the local universe at "critical mass". Here it can also be seen that each of the elements is equal to $2m$. These sums should provide sufficient commutativity between the measures of the multiverse, the cross section of X_n , and the wave of geometry.

oz j



- Graphic depiction, according to the X_0 tesseraet, of the subgeometry of the lightcone history of the universe viewed from the X_n toroid at antipode, with details. This shows that the diameter of the local universe is exactly equal to m , and that the diameter of the universe at "critical mass" was equal to $m + 1/2$ the diagonal of m^2 . Here, also, we see the distortion of the geometry of the tachyonic multiverse, which appears, instead of spherical, as a doubled crescent. Here we see that, if the area of the "third factor" is taken as the diameter of the tachyonic multiverse extrapolated from around the local universe

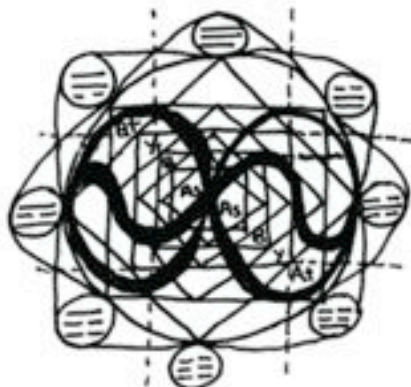
and baby universes, that the cross section of the X_n toroid at antipode gives the entire life cycle for the production of fourth order universes. The fact that the third factor has the same diameter measure as the universe at "critical mass" only deepens its mystery, however if the area of our modern local universe is equal to the cloud of the oldest baby universes surrounding it, it is possible that the area of $3f =$ that of the TM . The trick is in measuring the double crescent three dimensionally and superimposing its area on $3f$. If the process this diagram portrays is cyclical, it might be more appropriate to have 2 "big bang" at top and bottom, a separation of the elements on both sides, and a local universe in the upper right and lower left "corners" at the same time. I suspect the answer lies in the wave of geometry $4Ed\Delta G$.



- Graphic depiction, according to the X_0 tesseraet, of the tachyonic multiverse and local universe at "critical mass", with details. Here we see that, when the X_n toroid is not at antipode (45°), the measure of the diameter of the local universe is equal to the diagonal of m^2 . The diameter of the universe at "critical mass" remains the same however. The reason one is changed & the other is not is two-fold: 1) the apparent area of the local universe is distorted by the angle at which the tachyonic multiverse, which surrounds it like a cloud of potential, is viewed (relative to the X_n

toroid); 2) while the diameter of the universe at "critical mass" is seen vertically relative to the X_n toroid at antipode and horizontally relative to the X_n toroid as nested hypersphere (depending on the direction of the lightcone history) it remains a factor of the geometry of the X_0 tesseraet, in particular of its diagonals, which represent that aspect of its rotation (the hypercube's involution & toroid's differential counter rotation). On this note it should also be added that, while the local universe's diameter appears to be determined by the diagonal of m^2 , its geometry is in fact much more complex, and relative both to the wormholes of the multiverse & the universe at critical mass (see detail). We also see that the radius of the universe at "critical mass" is equal to the diagonal of m^2 and that the diameter of the baby universes is equal to $1/2$ this. If it is safe to assume that the current size of the oldest baby universes is equal to the size of our modern local universe, then the size of $1/2$ the radius of the universe at critical mass must be seen as the "critical mass" diameter for these oldest baby universes of our local universe, or the "age" at which they began having baby universes of their own. Thus, $r_{cm} + (d_{LU} - d_{BU}) = d_{cm}$, or $1/2 \times$ the diagonal of $m^2 =$ the diagonal of $m + (m - 1/2 \text{ the diagonal of } m^2)$.

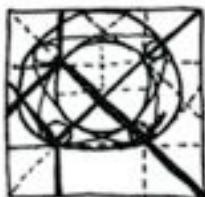
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- Graphic depiction of the wave of geometry (FE λ G) according to the X_{10} tesseract, with details of the eight trigram elements of the 1 ching & 4 dimensional worlds of Q&H. This diagram can be superimposed on the Lo Shu number square with Tao in the central position of spirit ($\odot = 5$). It can be seen of the λ G that fd passes through the four worlds, while fE passes around them. The geometry of this is shown as fE passing along the intersections of the double squares, while fd passes along the peaks, or corners, of only the 45° squares. This is because fE & fd are at right angles to one another, and are supersymmetrically spin-similar. Another way of

putting this is to place the four subordinate elemental trigrams of the 1 ching betwixt the waves of fd, representing the four dimensions, and to place the four cardinal 1 ching trigrams along the waves of fE, representing the four elements. Thus we can see how dimensions have fermion spin and elements boson spin but that, like matter and energy, the two are really only varying degrees of the same substance at different frequencies. Also, by doing this, it would be possible to see the relations of forces (elemental dimensions) to the four Q&Histic worlds, which represent the right angularity of dimension & element to one another.

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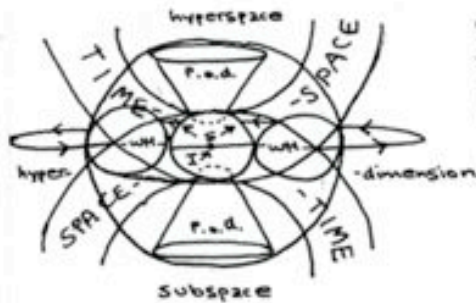


- Graphic depiction of the cross section of the X_n toroid showing X elements surrounded by n -dimensions, according to the geometry of the X_{10} tesseract, with details. Here we see that dimension occupies a space of $1/4$ the diagonal of manifestation² in its superposition around element. The measure of the circumference of this superposition (which is like a cloud of potential) is, in the nested hypersphere form of the X_n toroid, equivalent to the size of the multiverse around the local universe and baby universes, and since the size of element is extrapolated from this circumference we see that element, like our local universe, appears to be two different sizes depending on the angle (hypersphere or antipode) from which the X_n toroid is viewed.

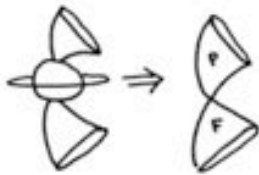


- Graphic depiction of the subgeometry of the X element n -dimensional toroid at antipode according to the X_{10} tesseract, with details. Here we see that the superposition of dimension remains the same ($1/4 m^2 \text{diag.}$) but that the circumference of this cloud is changed, and so, thusly, is the apparent size of element. It should be worth noting that, while not at antipode, the radius of element is the diagonal of m^2 ,

at antipode this same radius becomes m . So while element appears larger at antipode, it is in fact measurably smaller, since $m = \text{slightly less than } 1/2 \text{ the diagonal of } m^2$.

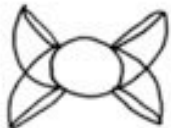


Inside the singularity is the baby universe. One wormhole connects to another through hyper-dimension. In space-time the precession of the black hole's poles renders the gas jets. In time-space: the history of the baby universe. The gas jets distort space-time (entropic gravity). The sum/histories distort time-space (negentropic anti-gravity). Space & time invert at the core singularity (see preceding formulae).



Symbolised thus: note the overlap with potential element of nulliverse (esp. in 7 lower emanations & tesseract of λ'_n and Π'_n diagrams).

Here p.o.d. comes to symbolize rotational (orbital) vector as well, entirely outside space-time. (see preceding diagrams of circle $^2 = c^2 < c, c^2 > c$)



- p.o.d. = c^2 → $c^2 = \text{spin}$

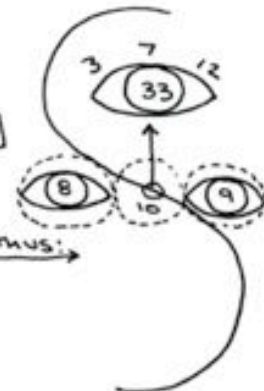
precession = revolution (orbit)

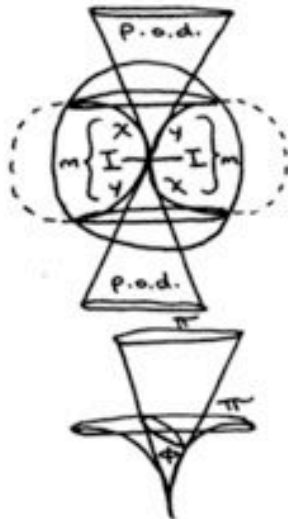


Symbolised thus: [the EYE OF HORUS]

[the elevation of the zjnz]

ALL IS IN GREAT ACCORD (Symbolised thus:)

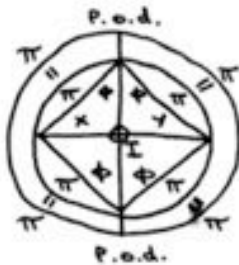




- precession of dimension: it is the precession of pure dimension between hyper-dimension, or intermediate states of dimensional overlap, that causes manifestation to occur multi-dimensionally (as in three spatial, one temporal dimensions).

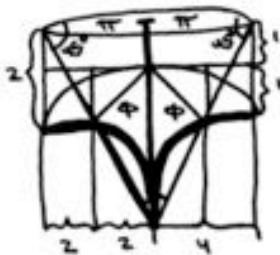
The inversion ("I") occurs between qualities of quantitative dimension ("x" & "y") such as "space" and "time". This inversion is the centrality of manifestation ("m") and it is caused by the precession of dimension ("p.o.d.").

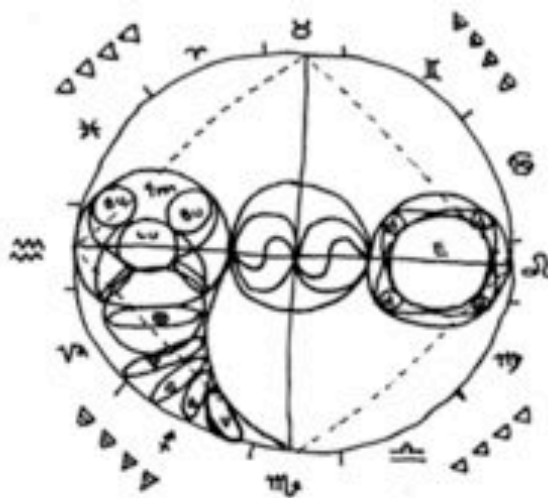
- Φ/π in p.o.d.: Φ connects X & y to hyperdimension (the measure of p.o.d.) which measure is π .



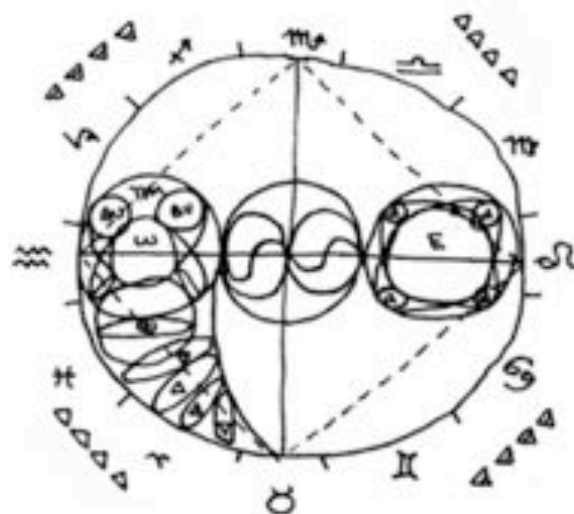
- top view: Here we see that qualities X & y (such as length, width, height, volume & duration) are the $\sqrt{2}$ diagonals of the square of Φ ellipses (at 45° 's) inside π spherical or planar circumferences, the measure of the p.o.d. The interior circle (pure dimension) is really equal in area to the exterior circle (precession of dimension).

This process occurs inside all singularities (gravitational black holes, temporal wormholes, electromagnetic charged electrons, even the mind).



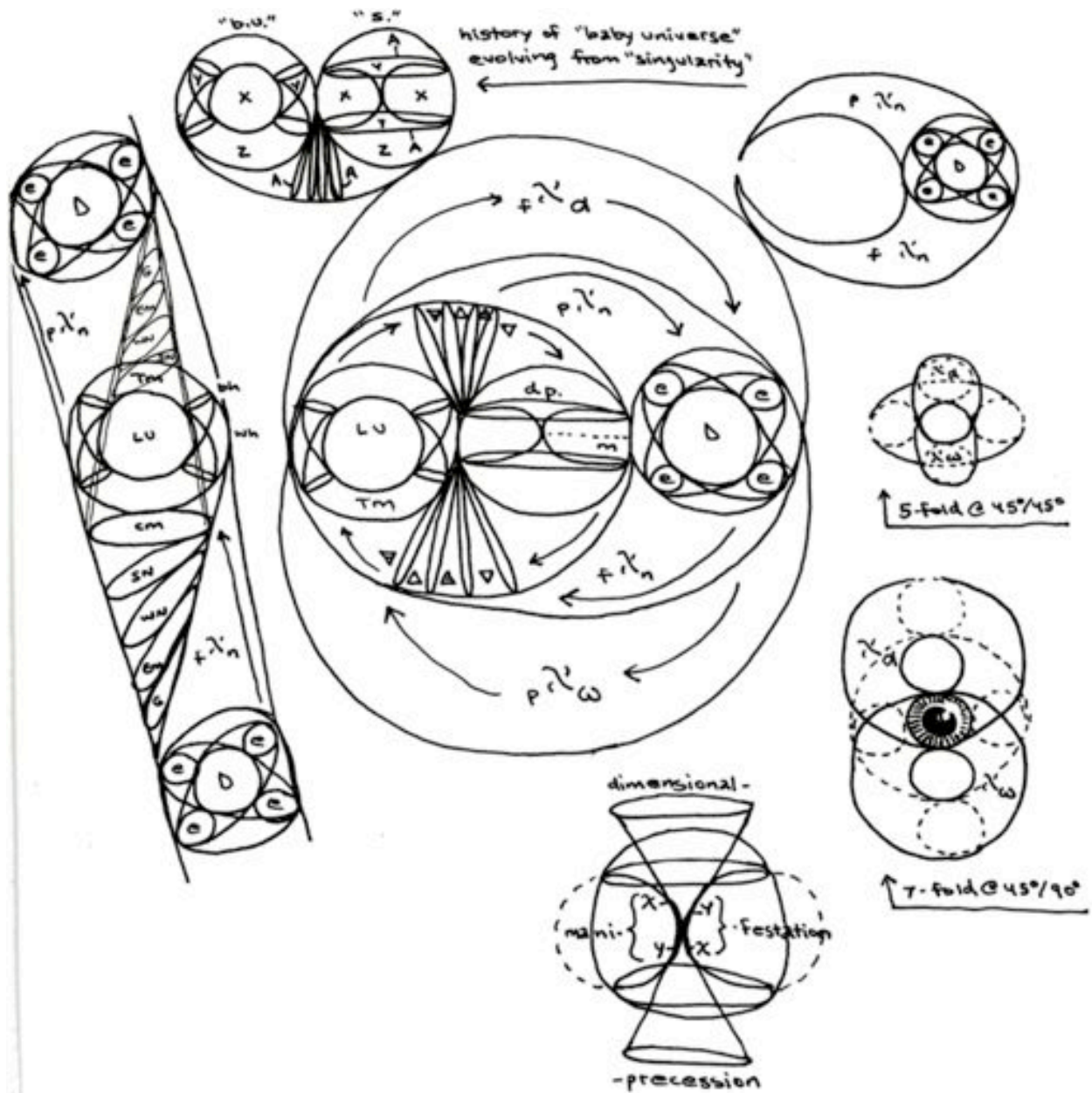


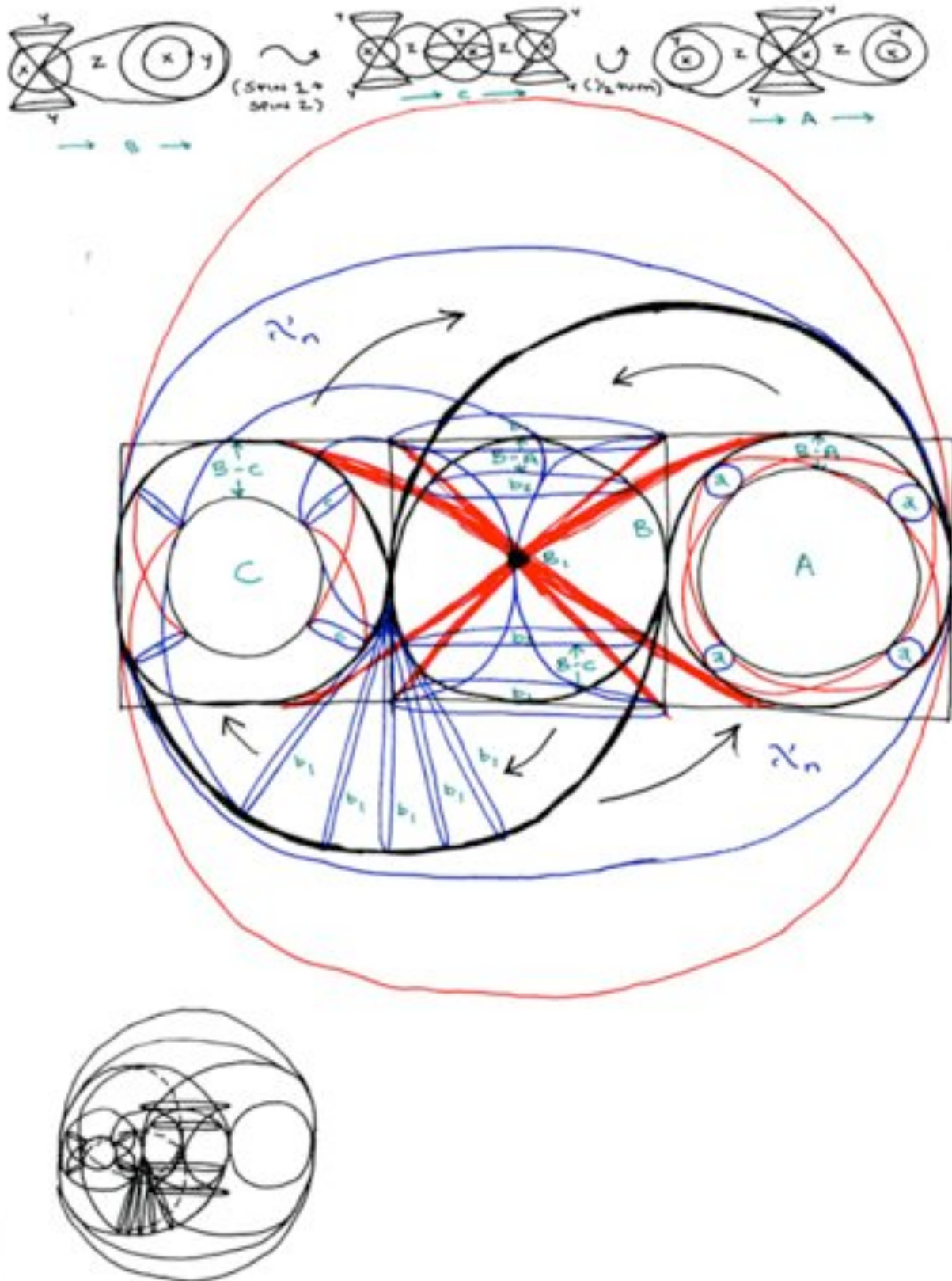
I am essentially certain that the "big bang" and the beginning of splitting off of baby universes from our own were marked by "fixed" zodiacal signs (see explanation of these re. fourth order elements) & that the difference between any two of these acts prismatically.

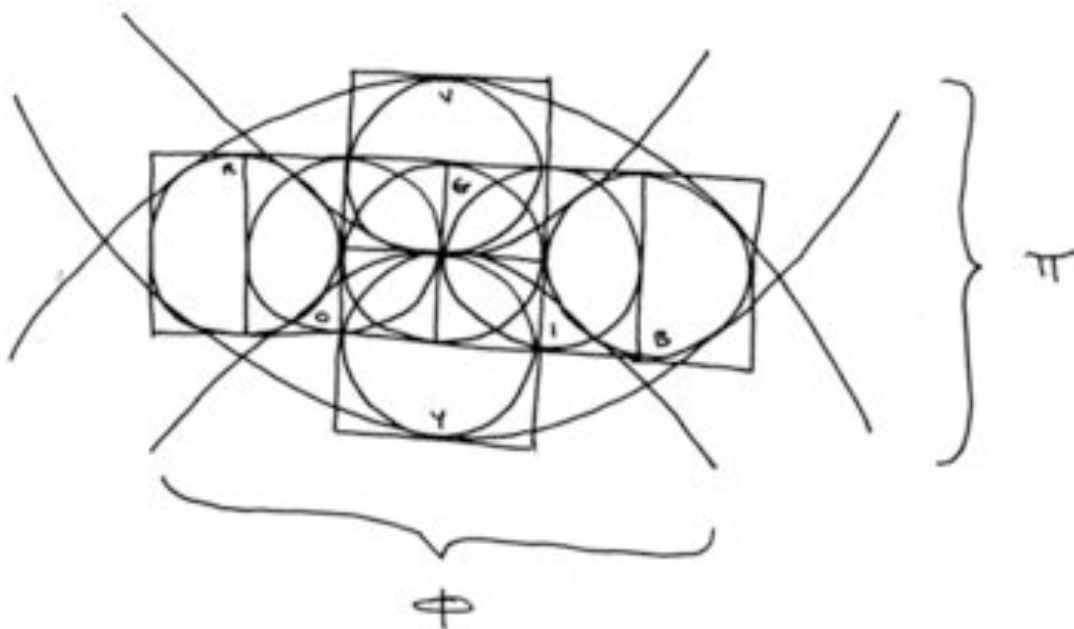


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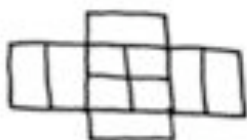
I am, however, unsure about the placement of the attributions of the zodiacal signs. It seems satisfactorily symbolic that the birth of baby universes should coincide with ♈, because that has now become the sign of the spring equinox. Also it juxtaposes with ♌, which feels accurate. The question is, are we living in which elemental era: ♈, ♌, ♎ or ♏? The attributions of ♈ ♌ ♎ to the age of our universe seem right, but also their beginning in ♈, since in the sign of astrological procession of fourth order elemental forces ♈ is directly juxtaposed to ♌, indicating a cross level relationship to ♈.







These are surely the seven lower emanations, of which understanding below & wisdom above form the greater crown. As samsara is divided between six lokas, so too is asamkeiya divided between three yugas and manvantara. where shekinah is below, Thoth is above, and between them is geometry.



such is the unfolded hypercube.



folded



Such is the rainbow vesica, or the crown of thorns.

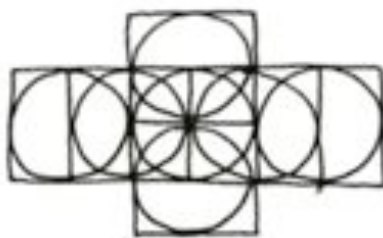


symbol

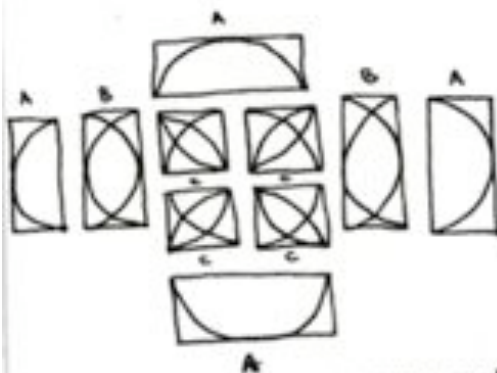
ϕ / π

such is the Name

Signature



- the geometry of the seven "lower emanations" or "dynamic forces" of the complimentary (or "conjoined") X_n toroid @ 45°.



- the geometry divided. The "seven" become "ten".

- components. The "ten" become "three".



A: (the "half vesica") the 1:2 rectangle with the non-dynamic (non-relative) force line. π divided to form Φ : $\frac{\pi}{2}$ divided = $\frac{\pi}{4}$. The "base" geodesic, and symbol of eternal recurrence.

A₁:  showing intersection of conjoined toroid.



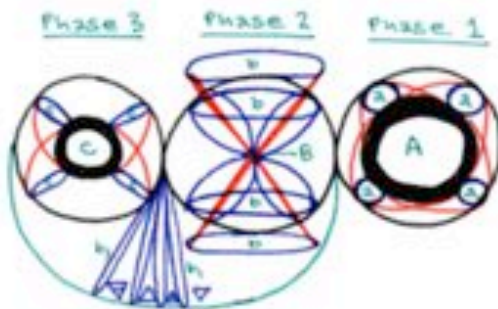
B: (the "double vesica") the 1:2 rectangle of the doubled, dynamic (or relative) force field. 2π divided to form 4Φ . The "mean" or "median" geodesic, and symbol of binary (birth-death) entropy.

B₁:  showing intersection of conjoined toroid.



C: (the "transected vesica") the 1:1 square of the tripled, trefoil, dynamic (or relative) force field-well. $\frac{1}{4}\pi = \frac{1}{2}\Phi$, transected. The "most high" geodesic, and symbol of negentropic genesis on boy's surface, 2π angular trefoil or brane manifold.

C₁:  showing intersection of conjoined toroid.



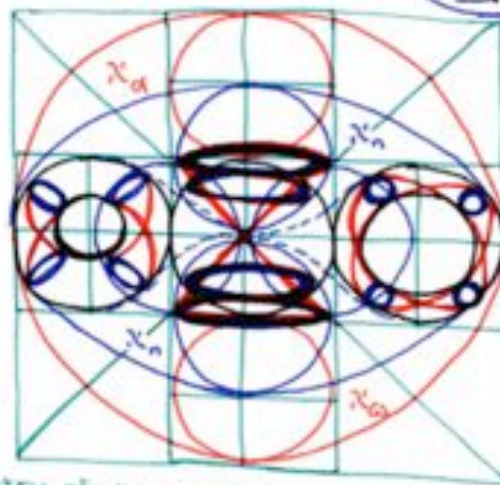
a as potential circles A as probability.
 b inverts to b, through Singularity B.
 c consumes C until it has become a.
 a, b, b, & c are all the same size.
 A, B & C are all the same size.

Phase 1 $\Rightarrow$ Phase 2 $\Rightarrow$ Phase 3 $\Rightarrow$ Phase 1..

$\therefore$ depicted:

$1 \Rightarrow 2 \Rightarrow 3 \Rightarrow 1 \Rightarrow 2 \Rightarrow 3$
 $1 + a \Rightarrow 2 + b + 3 + c + 1$

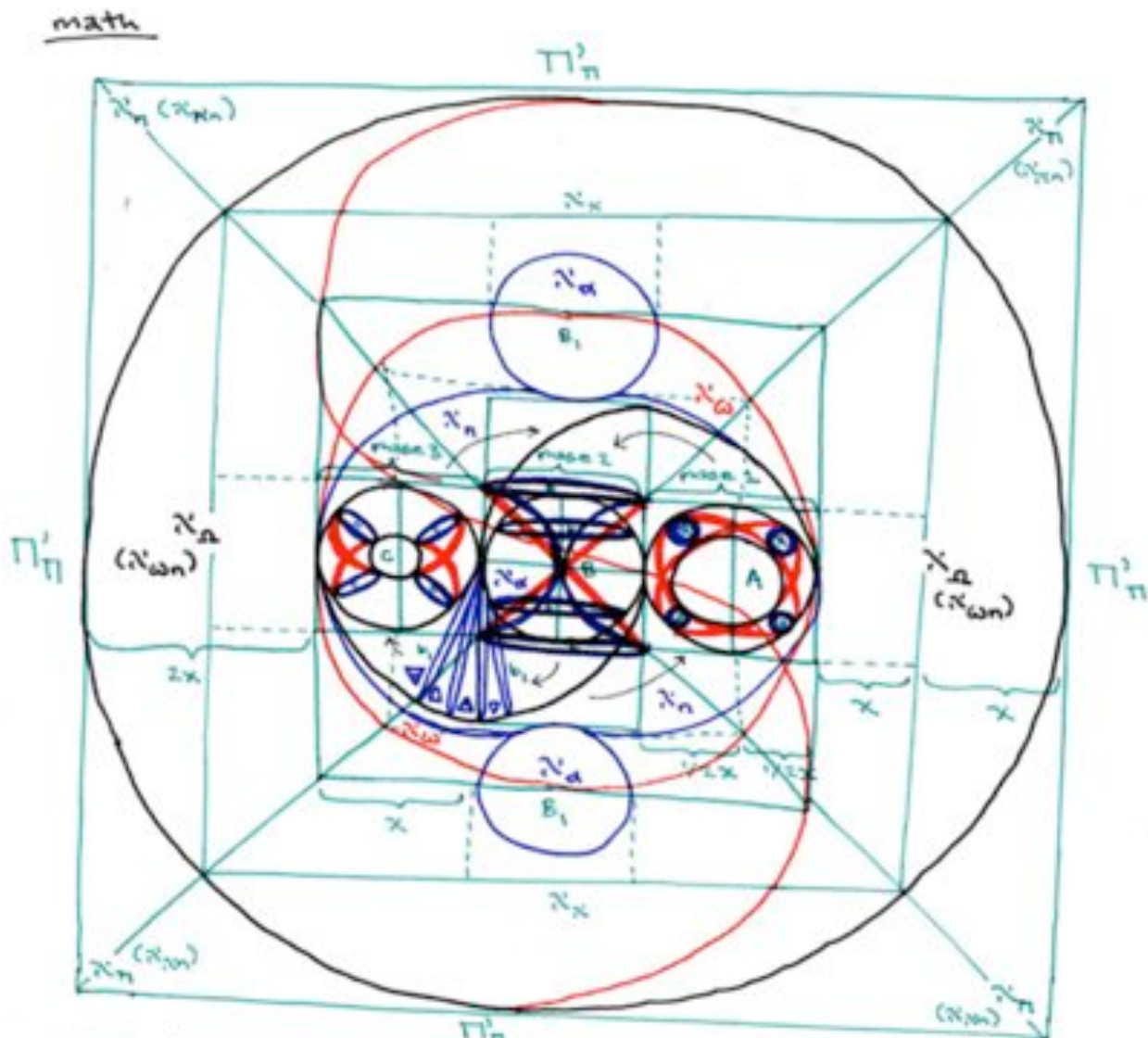
χ_n expresses the
 asankhiya at 45°
 as a torus the in-
 terior of which is
 the multiverse's
 limit at critical
 mass, and the
 central exterior
 is the precession
 of pure dimension.



χ_d represents the
 future of χ_ω , and χ_ω
 the future of χ_d as
 here we see the
 asankhiya at 90° as a
 hypersphere. Because
 the asankhiya has spin
 ($\chi_d \rightarrow \chi_\omega \rightarrow \chi_d \rightarrow \chi_\omega \dots$)
 it does not have an
 interior or exterior
 (except at antipode: 45°)
 & its central measure
 is the same as its
 circumference.

The overall geometry of the asankhiya is a hyper-
 cube at apogee (40°) & a hypercross at antipode (45°).
 Because all seven cubes of the hypercross are the same
 measure as the internal cube of the hypercube, which is,
 at perigee, the same measure as the external cube, then
 we see also that the seven selfrot emanations (spherical
 measures) of χ_n (at antipode) are really also the same
 measure as χ_d / χ_ω (at apogee).

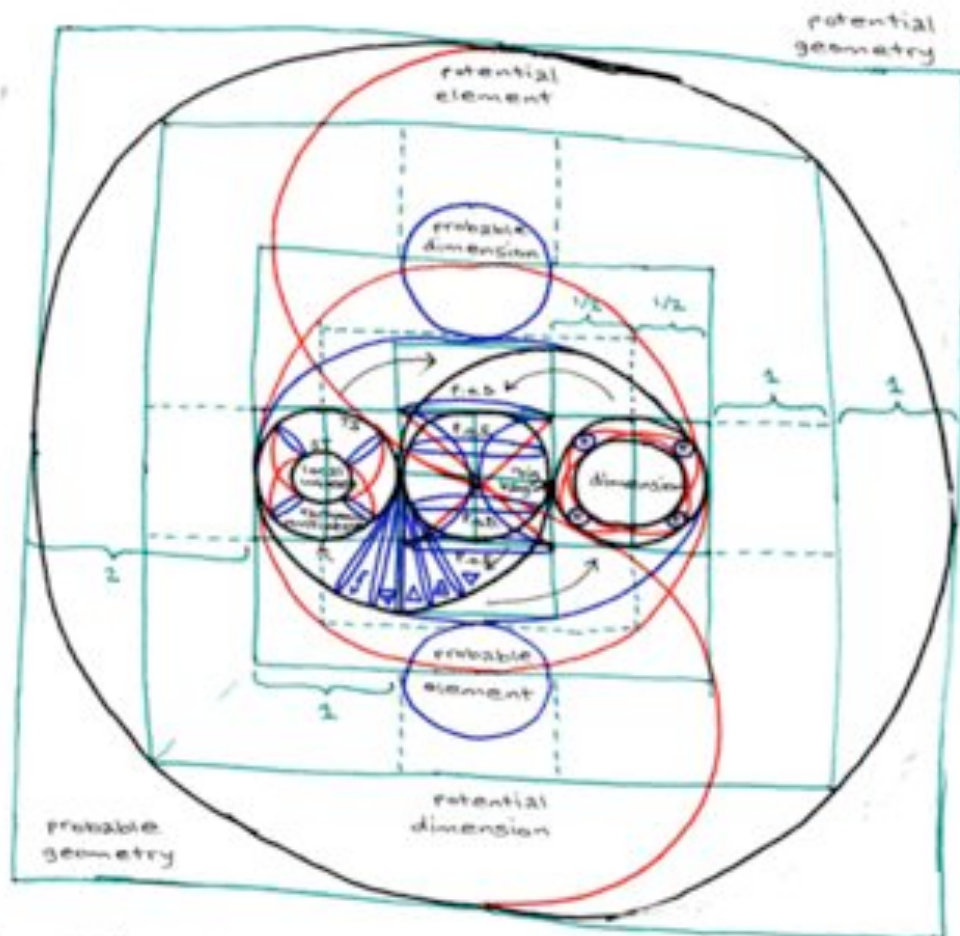
Some notes on the model: I may later indicate the central exterior of
 χ_n as χ_d , and leave the asankhiya at apogee as just χ_ω . This would
 not change the relationship between χ_d & χ_ω as representing the
 future projected ~~trajectory~~ trajectory (& simultaneously, past history) of each
 other as according to the laws of the involuting hypersphere. This would
 also further enable the dissection of Phase 2 as I examine the
 precession of dimension as the mechanism of manifestation.



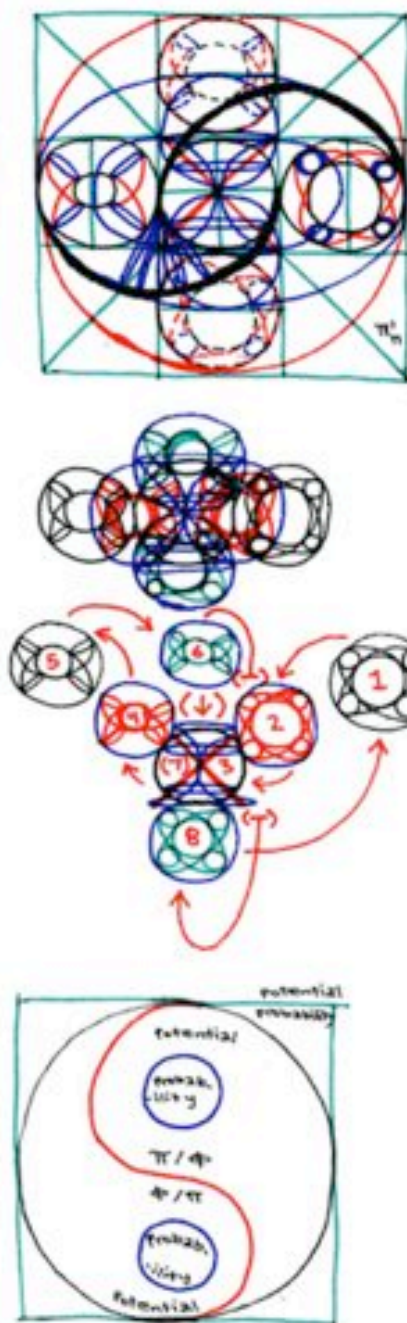
$a = b = b_1 = c$
 $A = B = B_1 = C$
 $1 \rightarrow 2 \rightarrow 3 \rightarrow 1 \dots$
 $\pi_n(45^\circ) = \omega_n(90^\circ)$
 $\alpha = \omega = \Omega = \kappa = \pi$
 $\omega = C, n = A, (a, b, b_1, c) = \pi$
 $\omega \Rightarrow n \Rightarrow \pi \Rightarrow \alpha \Rightarrow \omega \Rightarrow \Omega \Rightarrow \kappa \Rightarrow \pi \Rightarrow \pi'$

(because) $\left\{ \begin{array}{l} \pi_\Omega = \pi_{\omega n} \\ \pi_n = \pi_{\kappa n} \end{array} \right\}$ the greatest # of the lower set = Z
 the least # of the higher set = A

arrows indicate 1:1 correspondence of # sets

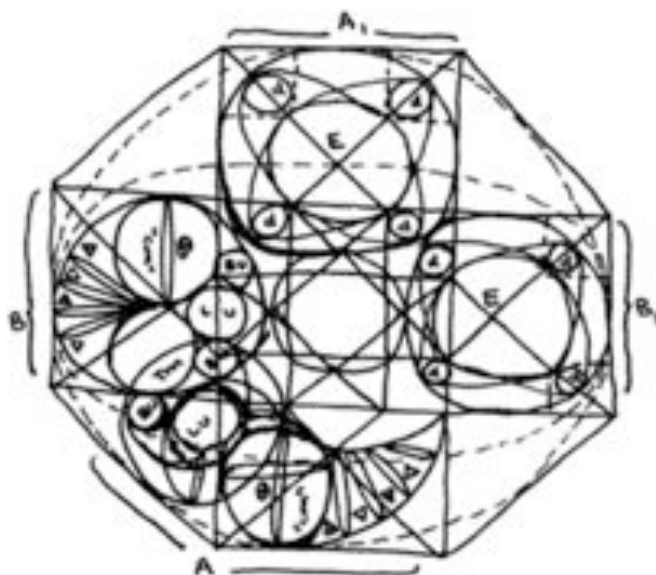
physics

In the pure tachyonic nulliverse (nihilverse or noniverse) there is probable dimensionality surrounded by potential element. Through the precession of dimension, the probability & potential invert, and elements manifest. In this event, dimension is a singularity, which expands dimensionally in direct relation to the formation of elements. Our universe reached critical mass at 4 elements & 4 dimensions. Its offspring through black holes are $\therefore$ confined to less. The precession of dimension (as well as, $\therefore$, element) is caused by the intersection of a dual-handle manifold. This dual-handle revolves around pure dimension inverted within pure element & vice versa, such that each universe/nulliverse is nested within a self-similar field. Outside the dual-handle is a square-well manifold, outside of which is, possibly, our parent universe whose # of dimensions/elements is unknown, but >4 .



This is the geometry of the π_n toroid @ 45° & @ 90° . The dark black lines below & above indicate the perpetual motion from a null-state to space-time as we know it 2nd back. The dotted circles above & below are the ninth and eighth emanations (checkmate-wisdom & binah-understanding) respectively, while the whole π_n toroid represents Kether (the crown). The cube of the π_n toroid is 1:1 correspondent with π'_n (tau sub tau), Hebrew for Truth, Egyptian god of time. Also the central dynamic singularity (the precession of dimension) is correspondent to the π_n toroid itself. This is true for the precession of dimension, but not for the multiverse or the nulliverse, which are correspondent to the larger π_n via yang dual-handle manifold of which π_n is center. Notice that it is the dynamic interaction (overlap) of the seven "dynamic forces" (lower emanations), rather than the geometry, that determines the form and functional relationships between them. Since they are all, in effect, in super-position, or all in the same place at the same time, their influence on one another is essential to each. Though they all exist simultaneously, there is an order of operations they follow, and this forms a higher-order pattern. The most relevant aspect of this pattern is the central inversion between essential internal form. Without precession acting to invert the primary internal components, they would remain dynamic (with spin/time) but as a top heavy ratio (π/ϕ), and, as such, remain in dynamic stasis, just as does ϕ/π (lesser/greater) as the sum/history of the multiverse remain an eternally recurrent constant therein. π/ϕ represents the history and projected trajectory of the equal & opposite sum/substance as does ϕ/π , & without an inversion between them, these two binary sums would revolve around each other in an infinite zero, factoring each other out of existence. But because these two can never exactly cancel each other out (because they are irrational numbers), they eventually build up a lag between them, & this amounts to an increase in probability, which in turn results in substantial precession, inversion, and manifestation.

the Graphic depiction of the X_0 tessera geometry of the super-imposed X_n toroid at nested hypersphere and antipode positions



Here we see that positions A & B overlap and that positions A₁ and B₁ do likewise. Perhaps the most important revelation of this diagram is the occurrence of the ratio of ϕ and π . For example, one will notice ϕ in the lightcone of A, and π in that of B. Although these represent the same structure, only seen from a 45° difference. This transform (similar to that of quantum mechanical spin vectors) is evident in the measures of m to the diagonal of m^2 to the $1\frac{1}{2} \times m$ size side of the central squares. Here, we see ϕ derived by $m +$ the diagonal of m^2 , and π by m^2 . Again, in the physics, π is seen in potential element and ϕ in the trajectory of pure dimension. Thus what we see on one scale in pure dimension and potential element, we see on another in the lightcone sum over history of the "critical mass", local universe and tachyonic multiverse, and the difference between these scales is manifestation, the precession of pure dimension along the wave of geometry, feeds one interesting feature of this diagram is in depicting the outward rather than inward curvature between baby universes in position A that makes the baby universe of the A positioned local universe relative to the B positioned local universe, such that the tachyonic multiverse of A position overlaps with the "third" or unknown factor in B position. This lends support to the concept that, seen from the side (that is, in cross section of the X_n toroid at 45° antipode, the area occupied exclusively by the tachyonic multiverse and not coinciding with the local universe or its surrounding baby universes can actually be measured as taking up a space of its own, and even acting upon the cyclical lightcone sum over history of fourth order universes as though it were, primitively dividing and delimiting the elemental forces, and pre-existent to each universe's "big bang". Thus, according to what I will call "tachyonic bubble theory," the unknown "third" factor in the X_n toroid besides the sum over history lightcone of cyclically created and self-evaporating fourth order universes and the n -pure dimensional cloud around X potential elements might be the same measure as "critical mass" for the fourth order universes, that is, in area, $\frac{1}{2} E$ or $2d$, where d is given as $\sim 1/4 m^2 \pi$ and E as $4d^2 \pi$.

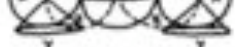
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$$x=y=z; \quad x \leq y \leq z \leq x.$$



First model

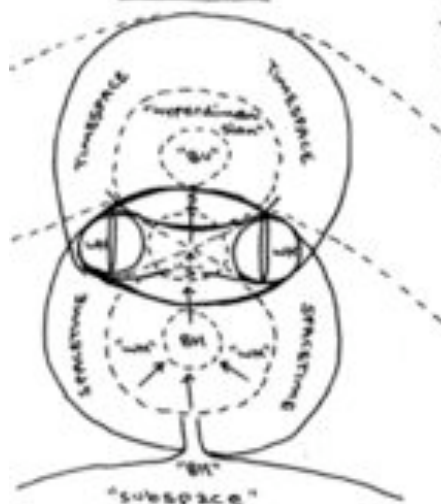


First model

All the same proportional ratios & relationships of the first model hold. X = dimension; Y = procession of dimension; Z = manifestation, or the orbit of processing dimension over time. What is important to remember with the first model — because it is a necessary component to understanding the final model — is that the “time” measured by the orbit of processing dimension is not “time” in the traditional sense (as the fourth temporal dimension), but, like dimension itself in the model, is “pure” — meaning singular in essence, a substance distilled and separate from dimensionality entirely. For example, within the total universe, SPACE and TIME form a continuum. However, it one separates 3-D SPACE from 4th-D TIME, and sees such space as substance and even TIME as essence, or, even more accurately as subject acted upon and objective process of that activity, then one can understand “pure dimension” as sub-space, and “pure time” as hyper-dimension. Here are the S of man ($\star \rightarrow \odot$) and the S of cosmos ($\star \rightarrow \infty$), or microcosmos and macrocosmos, that combine to form the 10-dimensional macrocosm.



Final model



Final model = first model rotated 45° clockwise / counter.

In the final model we see that, as in the first model, $X \in \mathbb{Z} = \text{spacetime}$ & that $Y \in \mathbb{Z} = \text{timespace}$. Here we can also see, comparing Y of the multiverse to Y of the nulliverse, that wormholes (WH) are to potential element what Y is to X , i.e. "pure dimension" dropping a dimension. Thus Z ("pure time") is manifestation in hyperdimension (a "baby universe" or "BU" in timespace) by pulling spacetime from subspace (X) through wormholes (Y) into a singularity (whose history is Z). Therefore Z continues to near "sure linear" ($t \rightarrow t + \Delta t$) "pure time" outside "pure dimension" when viewed from the side and dissected, we see all the complex components involved in this process, from the wormholes ("WH") is spacetime (the circumference surface of "subspace" (X)) pulling matter through the black hole's event horizon ("BH") & converting it into energy in the core of the black hole (CH) to be fed out of spacetime into timespace through the singularity ("S") and re-phased again into matter (through the inversion of the singularity, S) and passed into the baby universe ("BU"), the manifestation within "hyper-dimension" while the intra-black hole wormholes ("WH") only connect to the singularity ("S") at the center of the black hole (CH), the extra-black hole wormholes (WH) connect to each other through

—194—

*S. 2

$$^{13}\text{C} \rightarrow ^{12}\text{C} \rightarrow ^{13}\text{C} \rightarrow ^{12}\text{C} \rightarrow ^{13}\text{C}$$
$$\underbrace{\quad\quad\quad}_{\text{first term}} \quad \underbrace{\quad\quad\quad}_{\text{second term}}$$

DATE: _____ TIME: _____

the singularity's inversion (3), and this tunnel between other such wormholes between
 TIMESPACE and SPACETIME. The points of Y may also be thought of as the corners of
 the square of c , the speed of a photon in a vacuum, which (in light years) yields the
 measure of the area inside the circumference of X , which area for both circle and
 square are the same (described elsewhere).

first model

$$X = Y = Z; X \perp Y \perp Z \perp X.$$

This model is the rotation of the doubling of the first model. Here we see that $Y \perp Z$ (or Y super $Z: Y^2$) is perpendicular to $Y \perp Z$ (or Y sub $Z: Y_2$), which also implies $X^2 \perp X_2$. In this diagram the relation between the precession of dimension

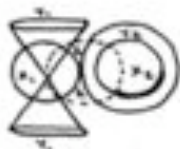
(Y) and the orbital course of manifestation (Z) is even more clearly seen as an identical process, where Z acts as the polar axis of X , whose difference/time (sum/history) is Y . We must also remember that X drops a dimension to become Y , and thus, Y must drop a dimension to become Z [as before $(X_1 - X_1) = Y, (Y_1 - Y_1) = Z$]; and here we can also see that Z must drop a dimension to become X [$X = 3 \therefore Y = 2 \therefore Z = 1$; though because Z is a measure of time (the orbit of manifestation), $Z = 4 \therefore X = 3 \dots$ etc.]. This is because manifestation is simultaneously a probability singularity ("event singularity") of inversion (between 0 and 1), and a potential history ("sum/history") of the orbit of the precession (orbit/precession) of dimension. In other words, by inverting potential element / probable dimension and potential dimension / probable element, manifestation acts as the force of entropy, the prime motivator of time, which conserves dimension.

final model

final model = first model rotated 90° up/down + 90° left/right.

All the above relationships, ratios, proportions remain the same. X is conserved (by Z) to = probable dimension, Y is connected (by Z) to = potential element, and Z = the measure of Y (precession) over X (dimension), i.e. manifestation (m) = precession of dimension (p.r.d.). $X = Y = Z; X \perp Y \perp Z \perp X$. This model represents the nulliverse, where dimension's only measure is the flatline micro-

unusual length superstring history of tachyons. Here, as above, we can see that the precession of dimension (potential element) equals the orbit of manifestation (the circumference of the nulliverse). Since this circumference is defined by a field of potential (like an electron cloud), it may at first seem difficult to comprehend it as manifestation, however, we must remember that the area of $X + Y - X = Z$ is equal to X , which is a probability, and that, moreover, the more important role played by Y (potential element) is relative to its own inversion (into probable element) at the event singularity (i.e. the "big bang") at the center of the precession of dimension in the core of the X_n toroid. One of the most difficult points to comprehend about the nulliverse is probable dimension. How is this different from the (n) three dimensions of space in universal spacetime? In spacetime we do not really see the dimensions themselves, only the manifestations on their surface, which we can apply to measure them—much the same way we cannot know if a wall is 6 ft. from floor to ceiling until we apply a ruler to it. These manifestations in the spacetime universe are combinations of probable elements. However, in the nulliverse, all elements are only potential, and there are no planets, stars and galaxies manifest by which to measure dimension; instead, it is all the straight edge, regular polygonal and irregular rhombic ratios and spirals that are manifest by which the underlying presence of these elements may be measured. In the nulliverse time is space and space is time.



First model

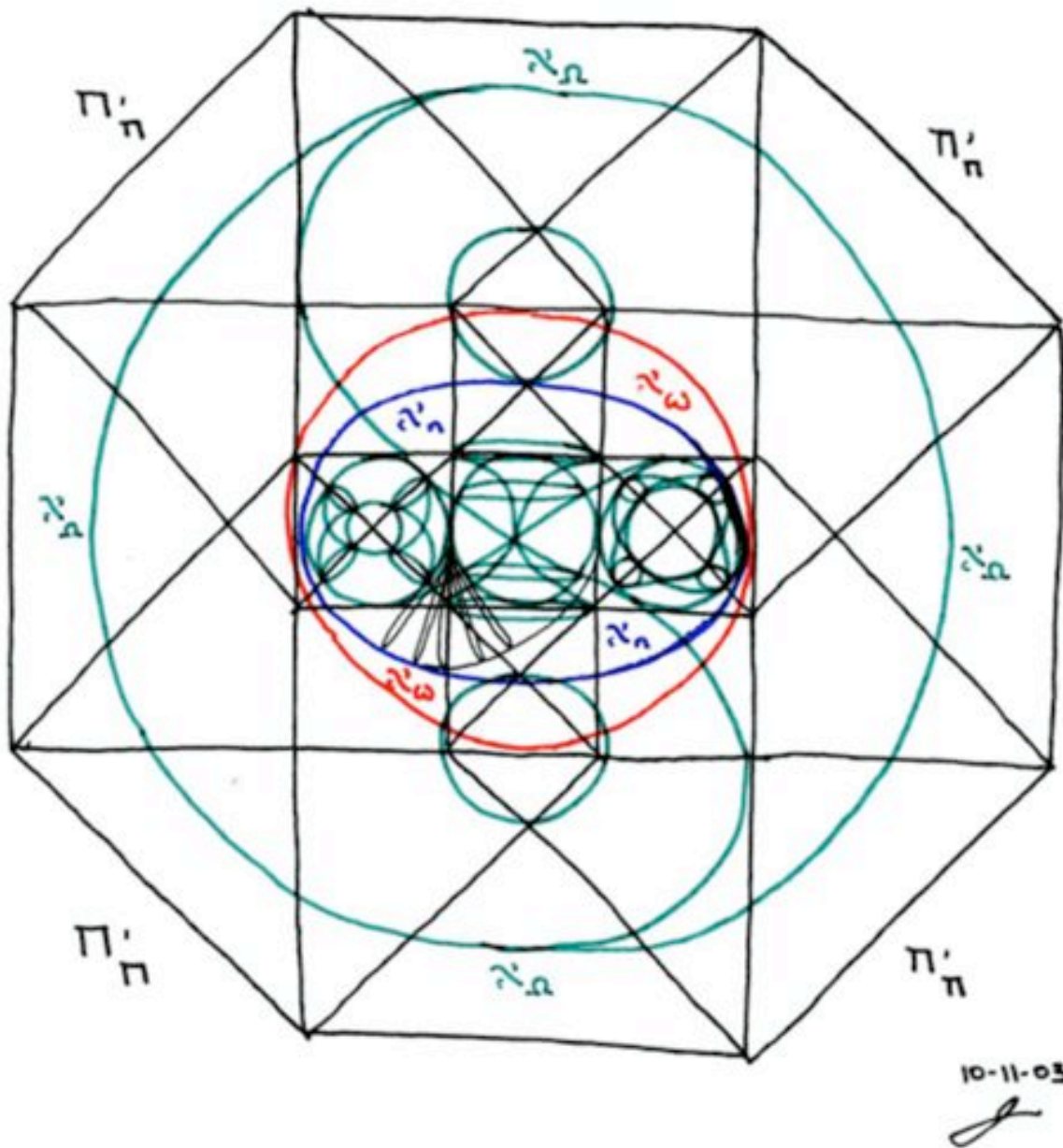
Here we see that (X, Y) and (X_2, Y_2) are commutative by Z , where Z is the orbit and Y the procession of X . Thus, where X = "pure" or "probable" dimension, its procession, Y = "potential" manifestation. Therefore, in the first model for procession of dimension (p.d.), the interior of the orbit, Z = SPACETIME (or "subspace") and the exterior of the orbit, Z = TIMESPACE (or "hyperspace"). We also see that manifestation in subspace occurs as the covalent bonding between two positions of pure dimension oriented perpendicularly to one another. Just as we note that V_1 = the circumference of X_1 , so too do we see that V_2 = X_2 exactly as the interior and exterior area of a hypersphere, and also, finally, that, just as $X \approx Y$, so too do X and $Y = Z$. The implications of these relationships are as follows:

$\left. \begin{array}{l} Y_1: \text{the procession of dimension (p.d.)} \\ X_1: \text{manifestation} \end{array} \right\} = \text{the difference between dimensions, expressed mathematically as } |1| = (+1) + (-1) = 0$, this leads into: $\left(\frac{1}{2} \right) \left(\frac{1}{2} \right)$ where we can see that potential (Y_2) = probability (X_2) minus probability (X_2), leaving only the field around the well, equal in area, but of one lower dimension than, the probability well itself; thus Z determines that Y_1 is really the core orbital or equatorial plane of X_1 and X_2 , expressed mathematically as $[(X_2 - X_1) = Y, (Y_2 - Y_1) = Z]$. Here, finally, we can see that Y_1 is perpendicular to Y_2 , and that, therefore, X_1 is perpendicular to X_2 , but also that X is perpendicular to Y , and that Z is perpendicular to both X and Y .

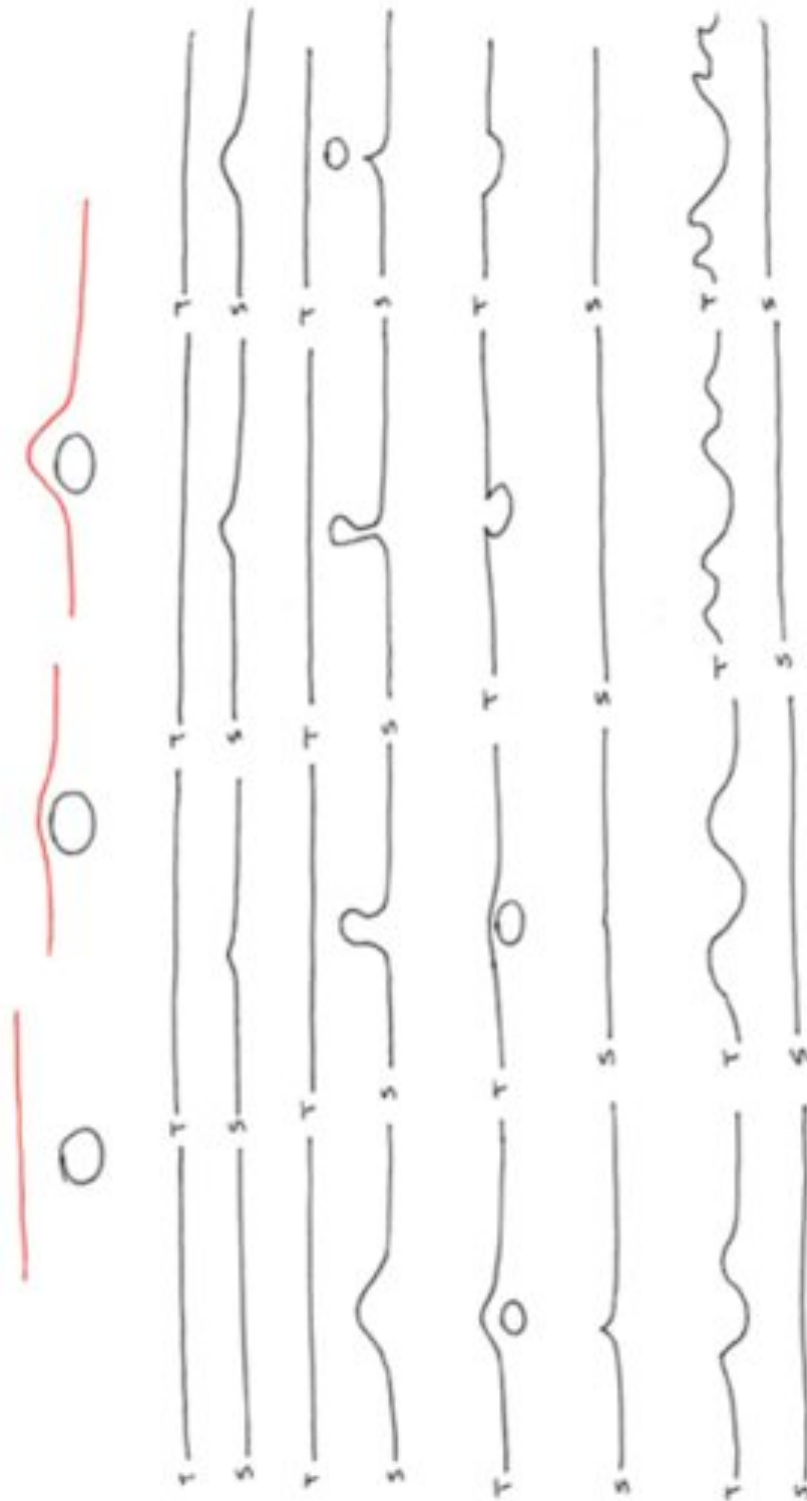


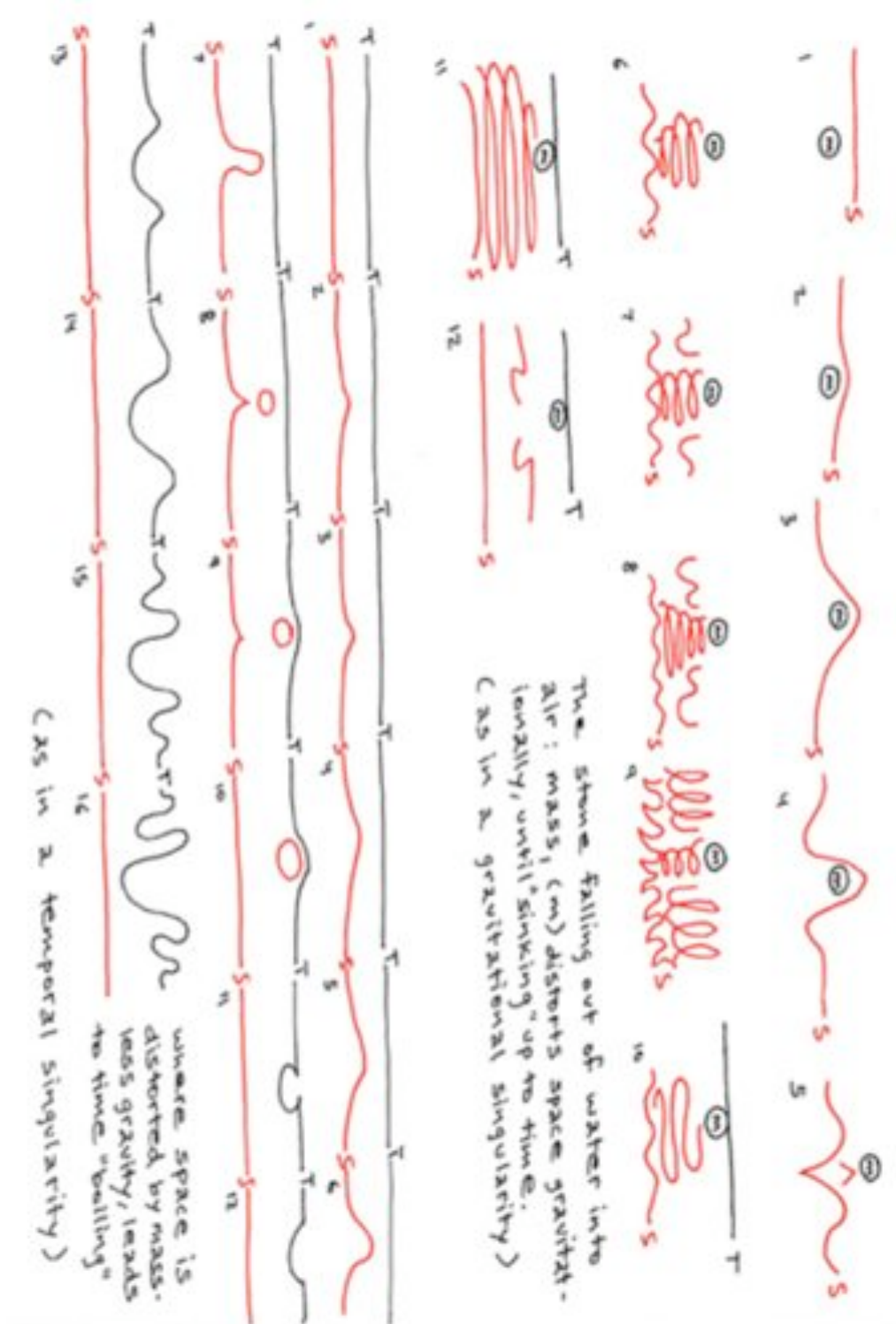
Final model

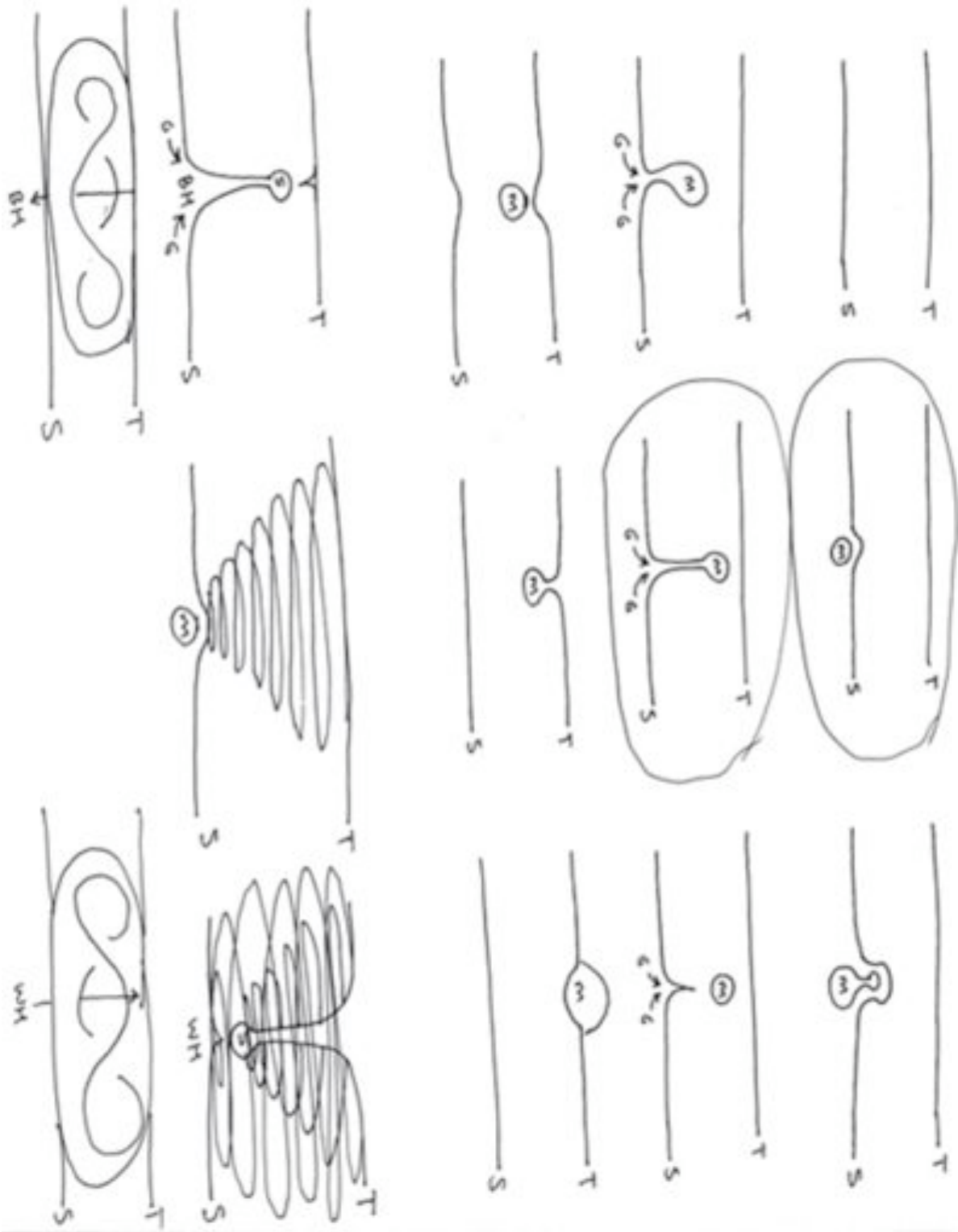
In the procession of dimension central to the $2n$ toroid we see that all the same relationships described above remain true: X = pure dimension, Y = the procession of that dimension, the interior of Z = spacetime, the exterior of Z = timespace; all the ratios of proportion remain identical: $X \approx Y \approx Z$, $X_1 \approx Y_1 \approx Z_1$, $X_2 \approx Y_2 \approx Z_2$, as before. In the diagrammatical depiction of the final model the only differences are nominal, but their implications on the physics involved is important. Here we see that the dynamic relationship of X_1 and Y_1 remains at the core of the inversion between 0 and 1 , or between the multiverse and the universe (and ultimately between the multiverse and the multiverse). X_2 represents this multiverse, or probable well of dimension, and Y_2 continues to represent its procession, though is now offset to overlap with X_1 (where Z was formerly) to represent by its intersection with multiverse X_2 the potential field of pure elemental force that occurs in and around the probability well of pure dimension. The role thus played by Y_2 consolidates the previous role of Z , and allows for Z to be used to represent the orbital two-torus conjoining X_1 and X_2 . Relative to the diameters of X_1 and X_2 , Z is a perfect 1-torus whose central singularity is the event-point co-circumferential to the multiverse and pure dimension; however, as we can see from Y_2 , the radius measure of both X_1 and X_2 is equally relevant, and this measure renders Z as an imperfect $1/2:1:1/2$ tube torus where the standard measure expressed by Y_2 and Y_1 is only possible as a square function of Y_2 . We should also note that the standard measure compresses to the central point of X_1 , and this represents the event singularity of inversion between probable dimension and potential element in the multiverse to probable element and potential dimension in the manifest universe.



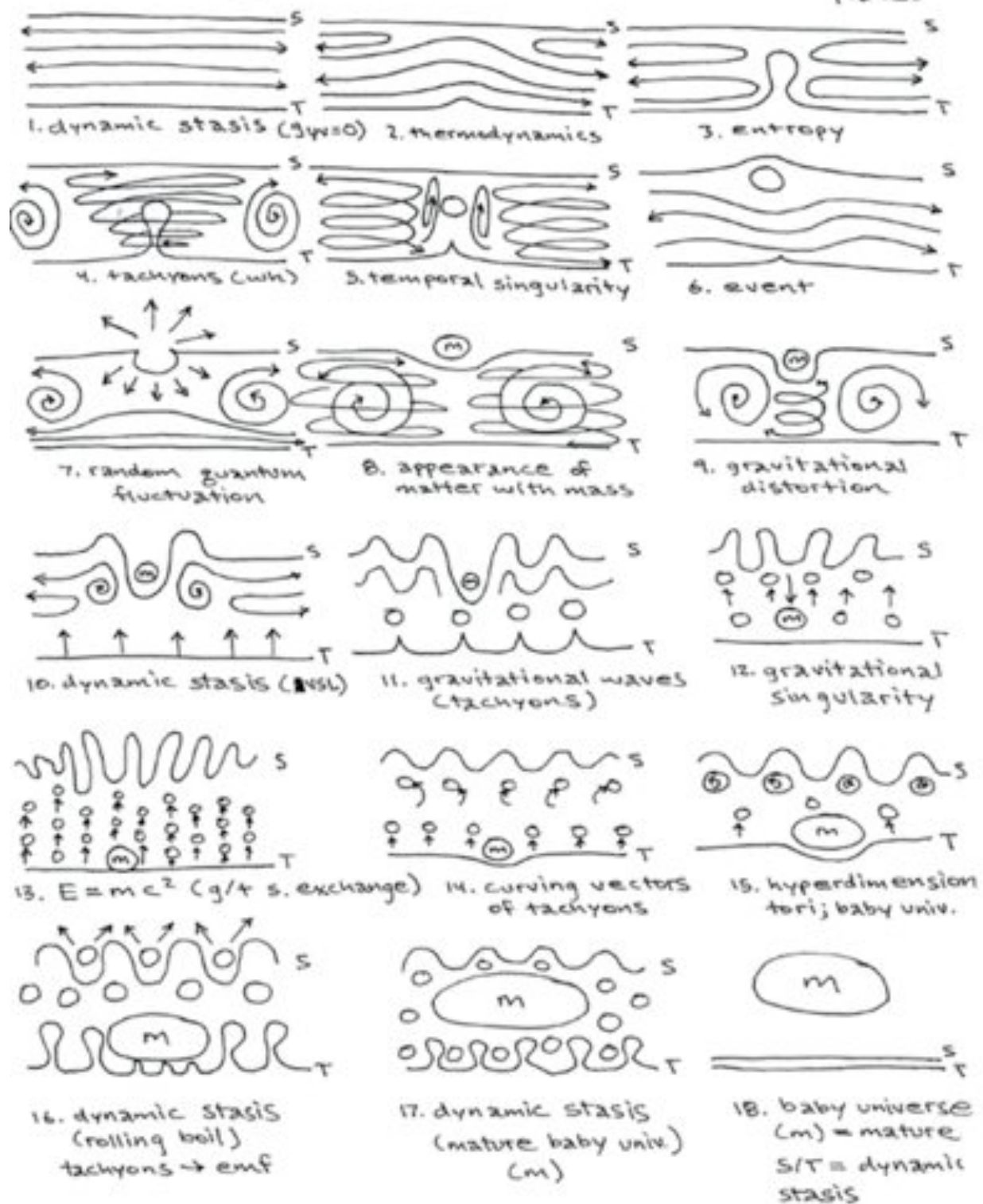
nb3.4:: space-time







all of this is going on all the time, different stages @ different places





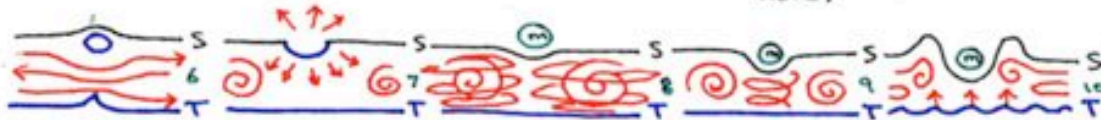
1. dynamic stasis
S = space
T = time

2. thermo-dynamics

3. entropy

4. tachyons (temporal torus, beginning of worm-hole)

5. temporal singularity



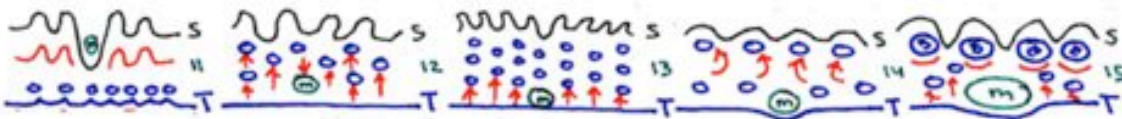
6. event

7. random quantum fluctuation

8. appearance of matter with mass (m)

9. gravitational distortion

10. variable speed of light (vsl)



11. gravitational waves (micro-wave tachyons)

12. gravitational singularity (spiral galaxy)

13. $E=mc^2$ (gravitational and temporal singularities exchange)

14. curving vectors of tachyons

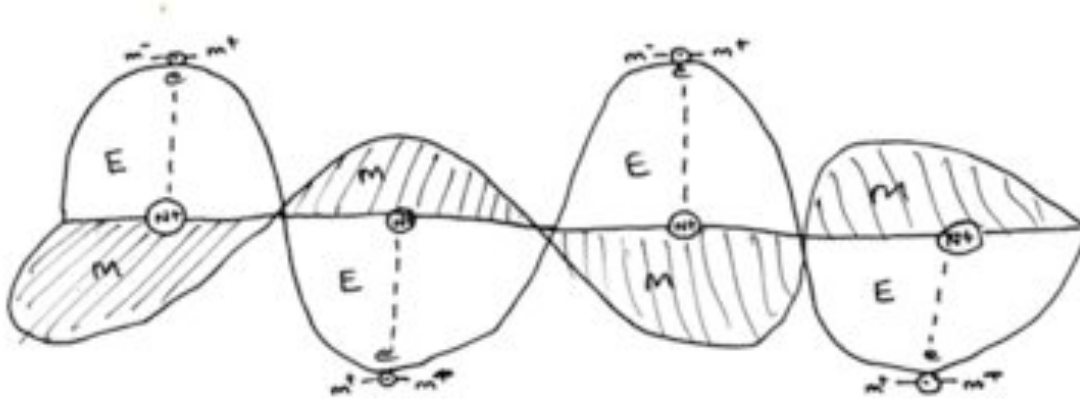
15. hyperdimensional tori; baby universe (m)



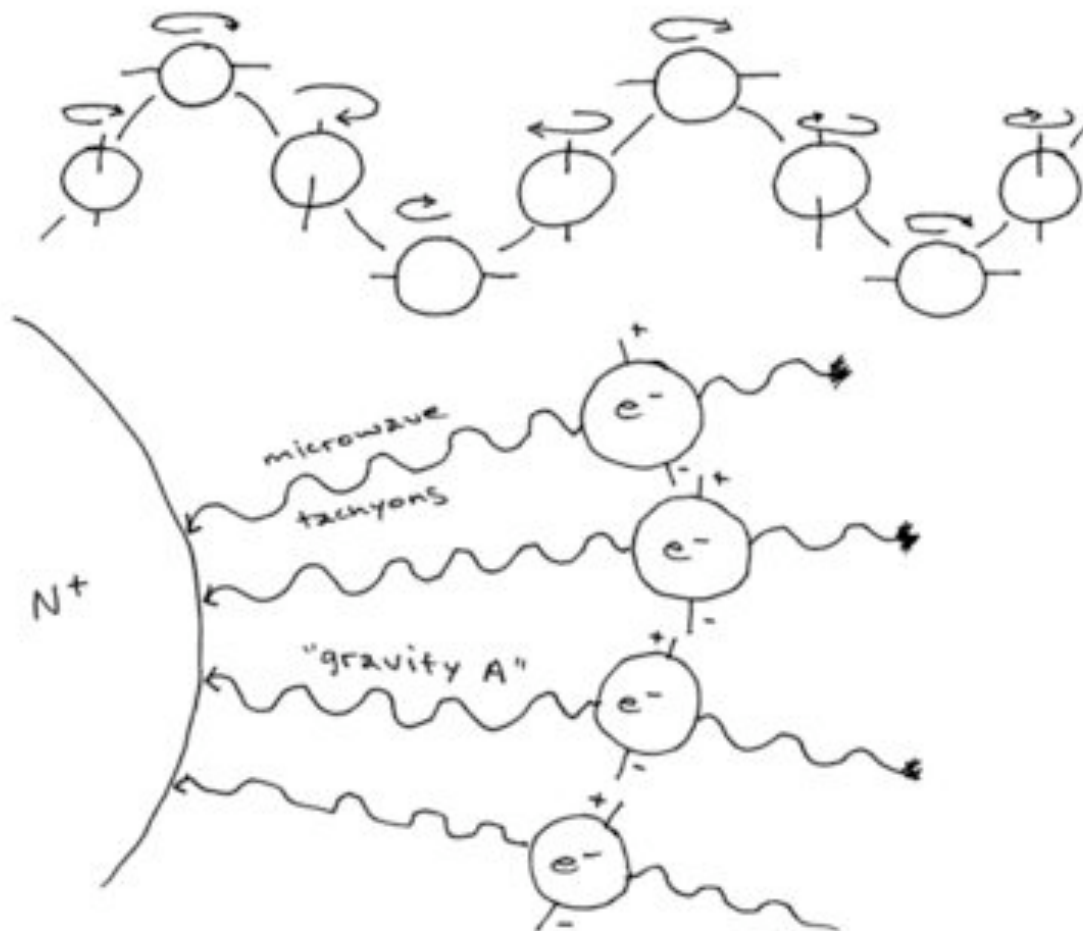
16. "rolling boil" stasis tachyons -> electromagnetic fields

17. mature baby universe (m)

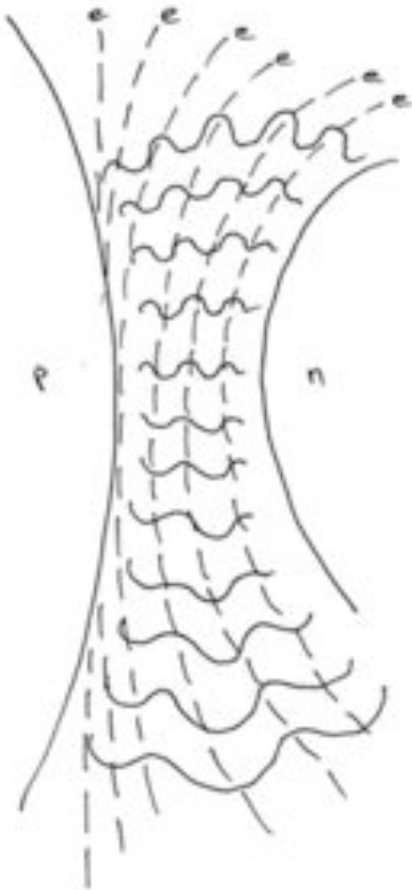
18. baby universe develops S-T surface of its own; process repeats

nb3.5:: tachyons

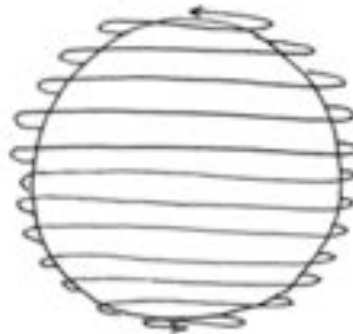
electricity itself is magnetically charged. $\therefore$ it is not an inherent trait of magnetic metals their attraction/repulsion, only their ionization.



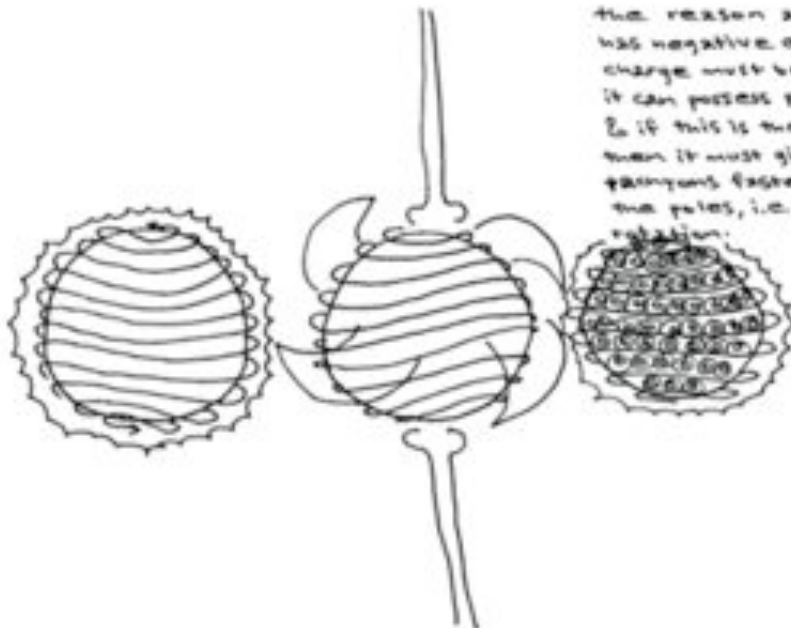
97
J



as tachyon waves bend towards nucleus, the electron energy shells must also bend perpendicularly to flatten as they approach the surface of the photon



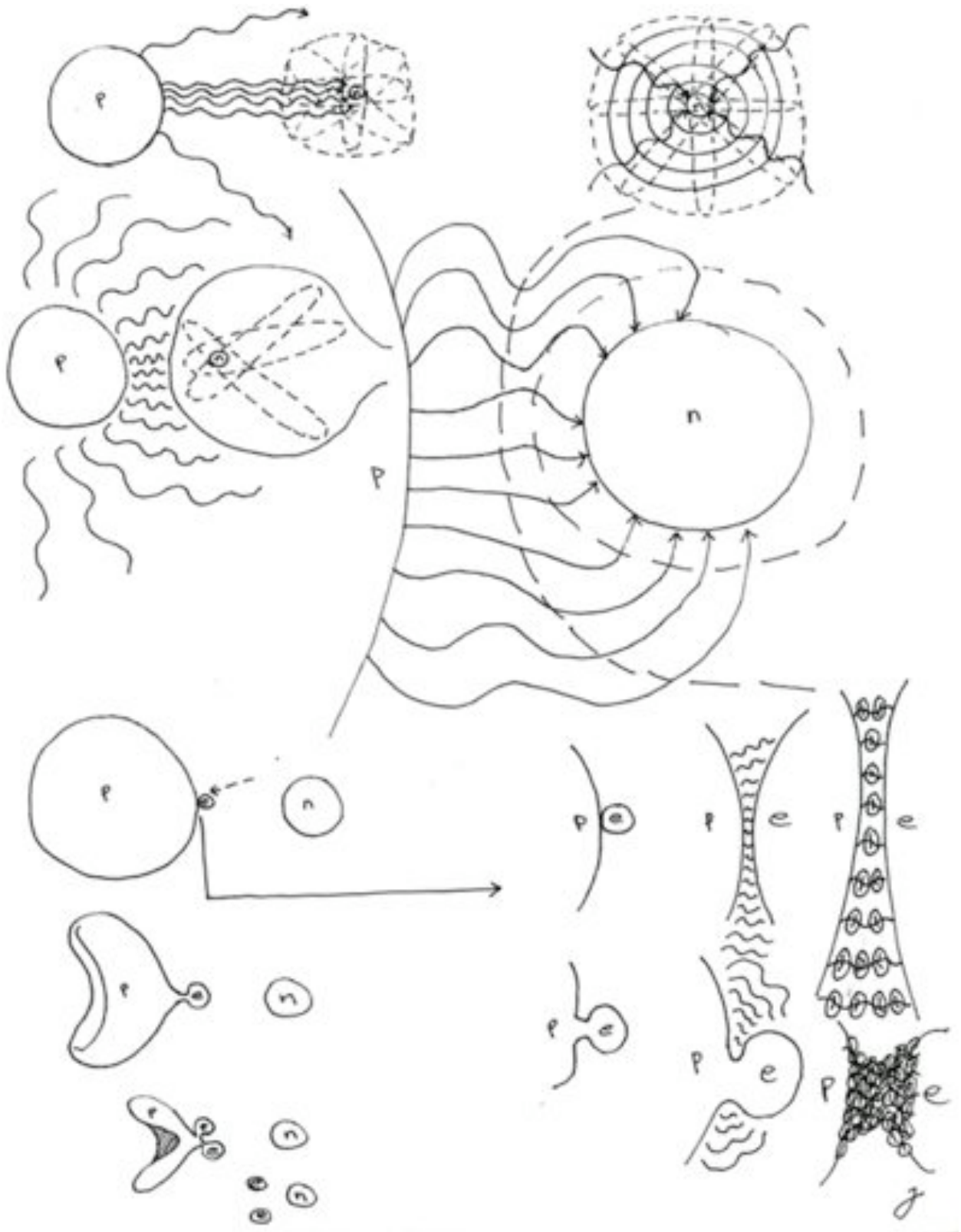
to account for the fact that electron shells do not flatten and tachyon waves are at all times flat line histories, we introduce the concept of the differential rotation of the photon.



the reason a photon has negative electric charge must be so that it can possess polarity - & if this is the case then it must give off tachyons faster near the poles, i.e. differential rotation.

we see differential rotation in stars, causing sunspots, flares & prominences; in black holes causing worm holes & the gas jets; it stands to reason we would also see this in photons - giving off tachyons unevenly.

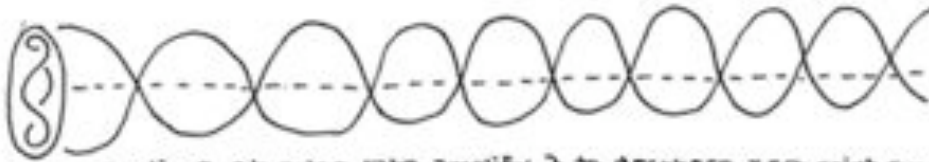
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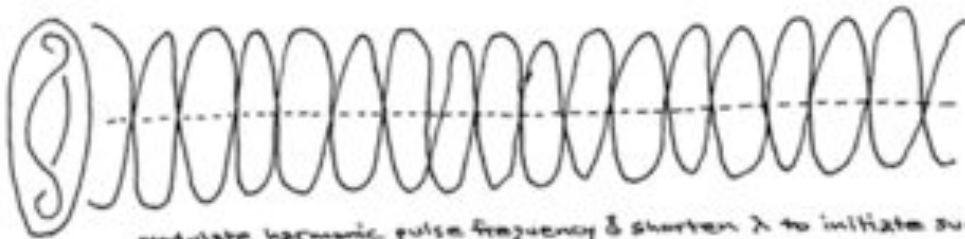
How to Open Up a Wormhole from a Tachyon



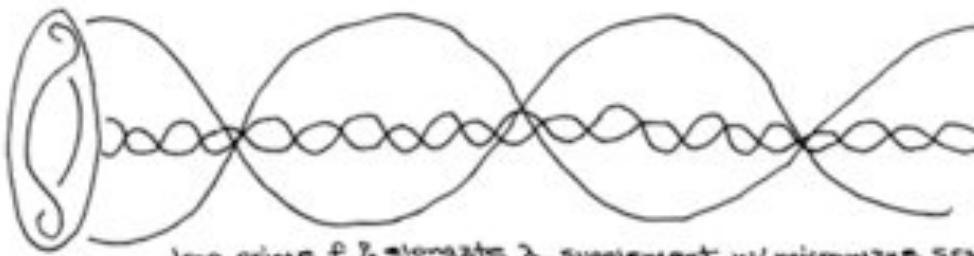
alternating microwave currents at regularly pulsed rate = zero point energy



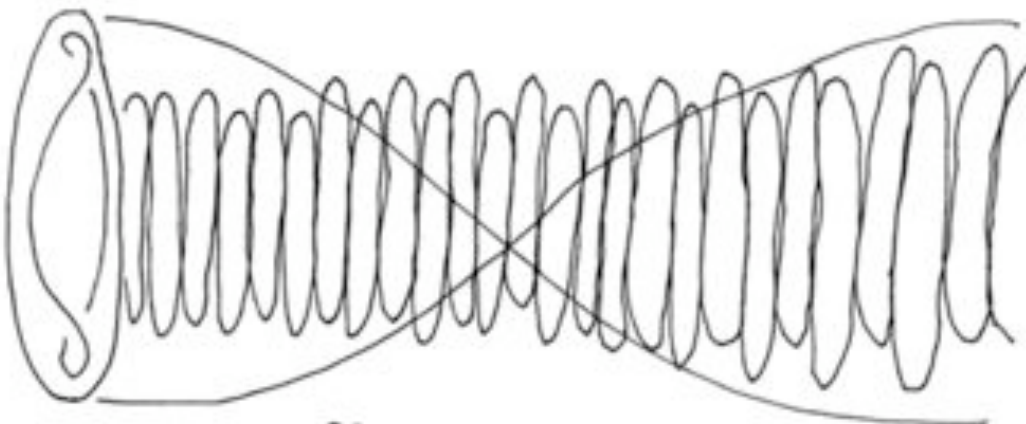
continue at pulse rate, amplify λ to decenter zero point symmetry



modulate harmonic pulse frequency & shorten λ to initiate supersymmetry



drop prime f & elongate λ , supplement w/ microwave scalar harmonic

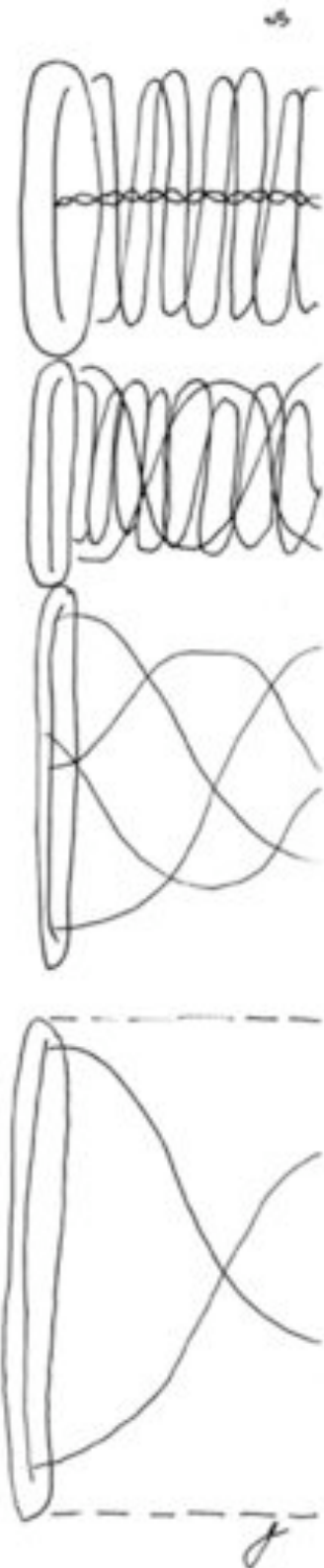
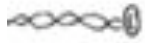


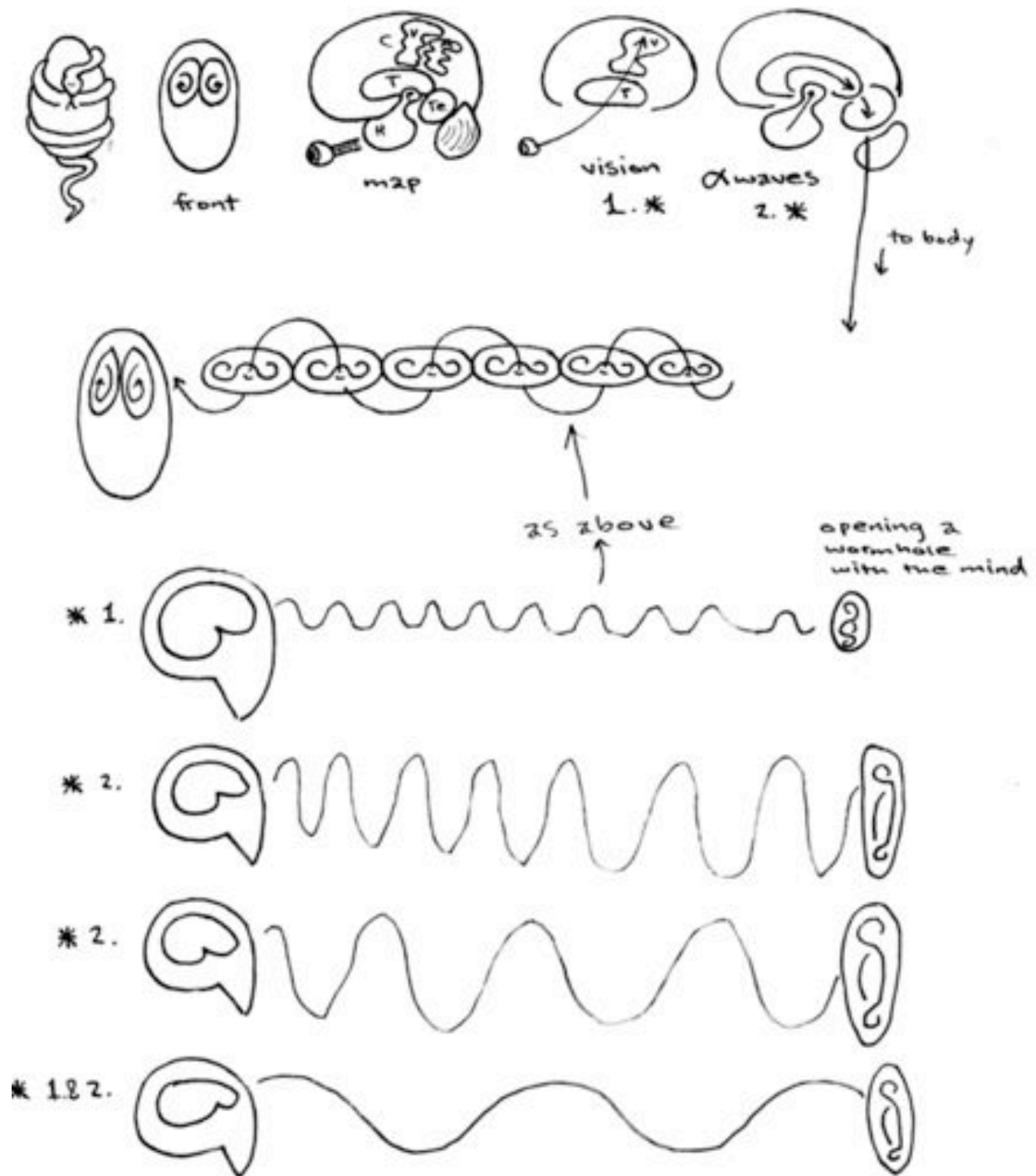
drop prime f & elongate λ to Δ radio waves, increase pulsed harmonic f & λ^v

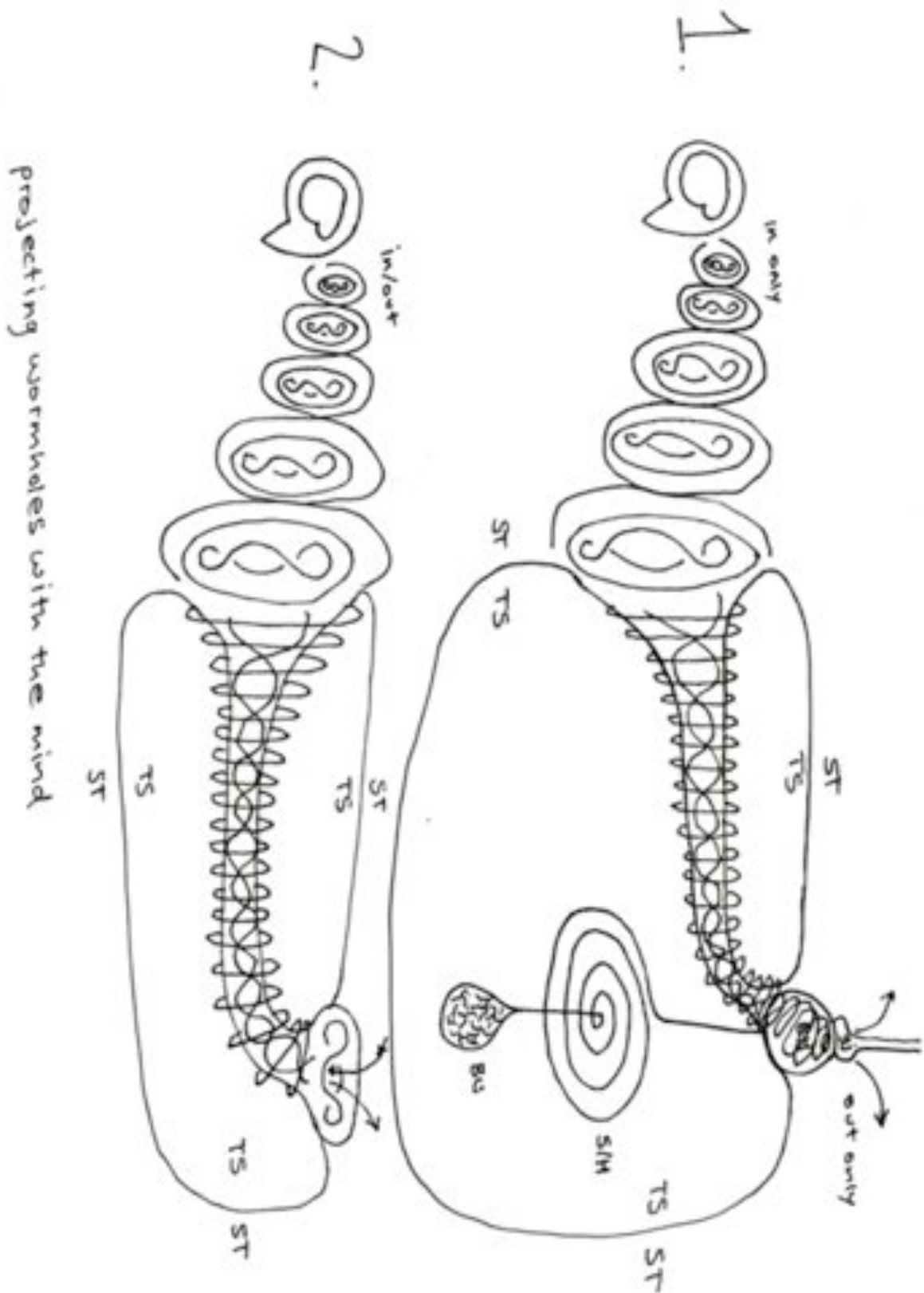
f
 λ

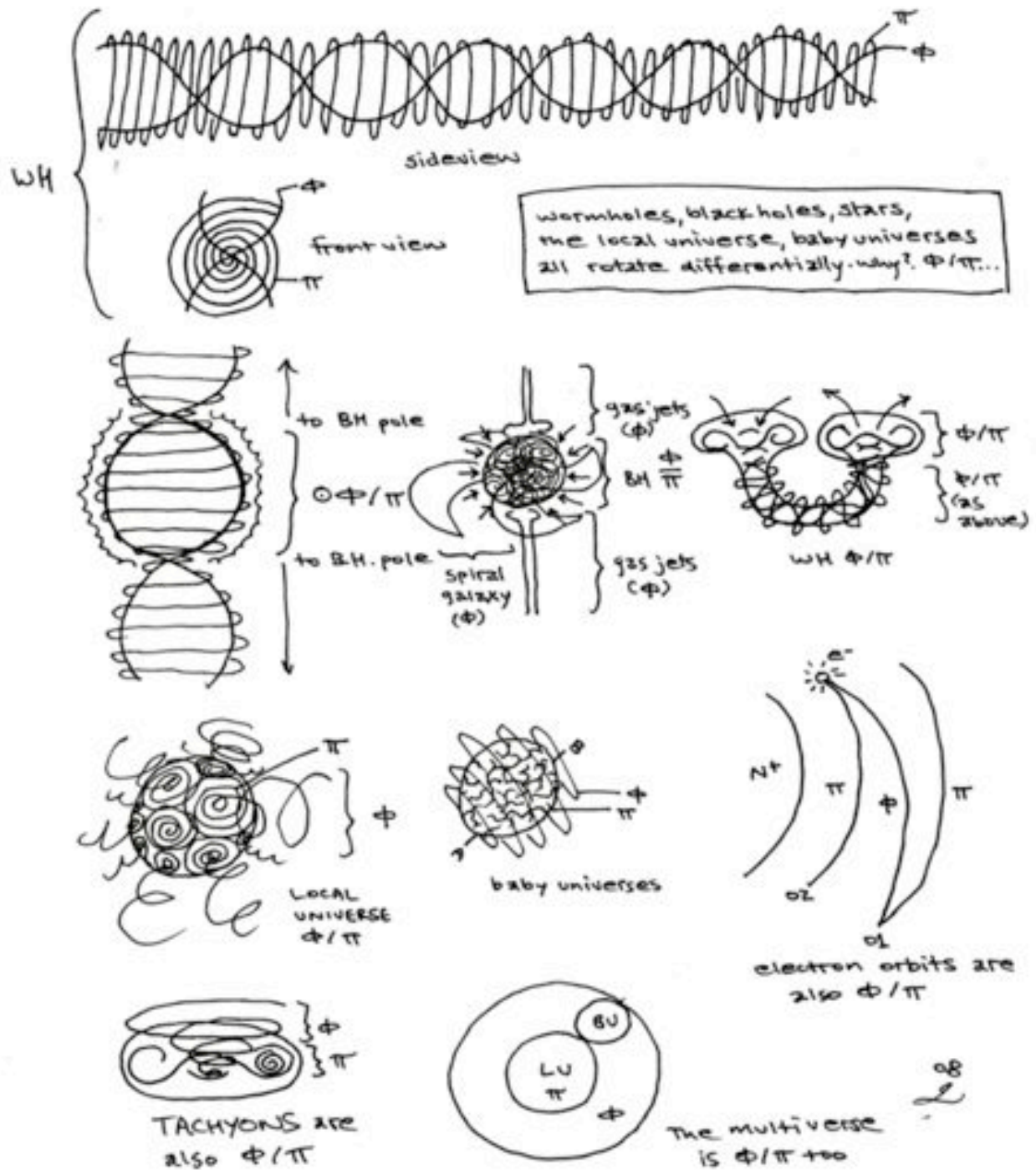
decrease

Opening 2 Wormhole (part 2)
 the distance will be determined by $(2\ell f)^2$



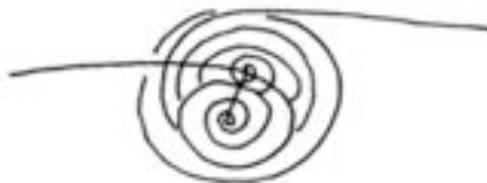






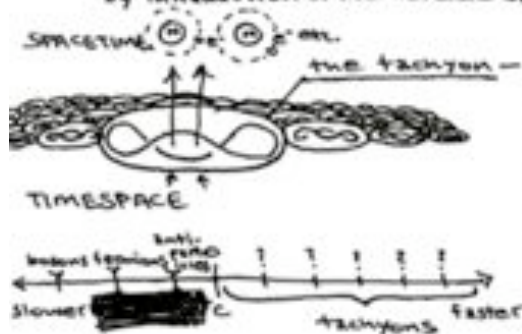


under the presence of a gravitational field, spacetime is curved.



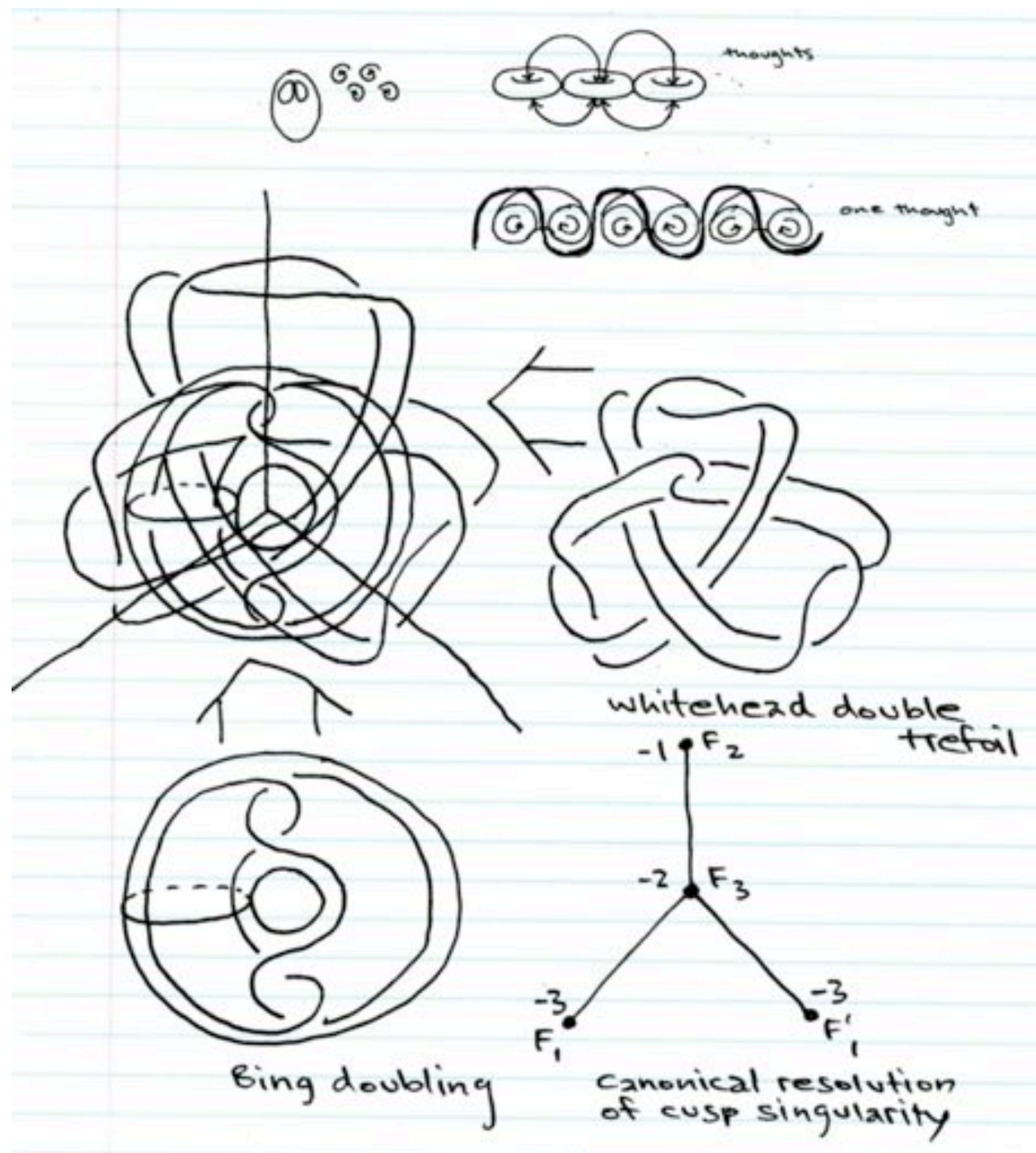
in the presence of a gravitational singularity (infinite mass & 0 volume) spacetime is curved infinitely.

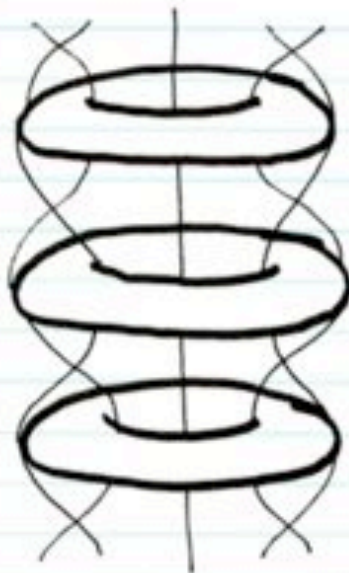
Spacetime, as a system of coordinates x_1, x_2, x_3, t_4 (or x, y, z, t), and consequently Newtonian/Galilean/Einsteinian physics, only hold true up to a point of infinite curvature, as defined by the velocity of photons in vacuum (c). They are, by nature, asymptotic — grounded against dealing with infinities, yet progressively forced to admit them as natural possibilities according to their given systems. Up to this point, when science has worked "in the dark", as it were, from the a posteriori to the a priori, each theory has ended at its introduction of any single infinite concept or cosmology, & the next has begun by delimiting this as asymptotic, and continued on in similar manner until introducing a new constant to replace the old. As stated, the most recent is c — whereby the theory of transcendental tachyon microwave gravitational superstrings begins by introduction of the variable speed of light (vsl) theory.



Working with the theory of the transcendental tachyon microwave gravity superstring c , which had marked an impassable ~~as~~ in relativity, now becomes the nadir point. Also, the spacetime continuum, thought to encompass everything universal, is now turned inside out, to reveal that infinite distortions to it only mark the delineation between its inside & outside.





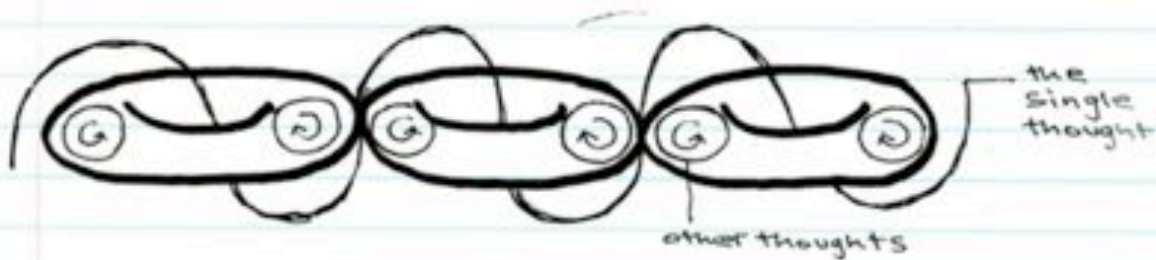


1.

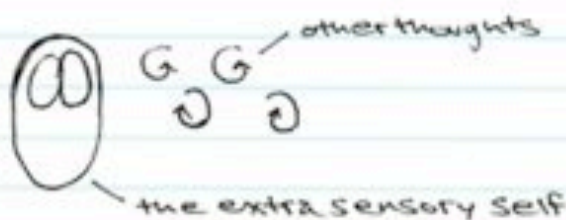


2.

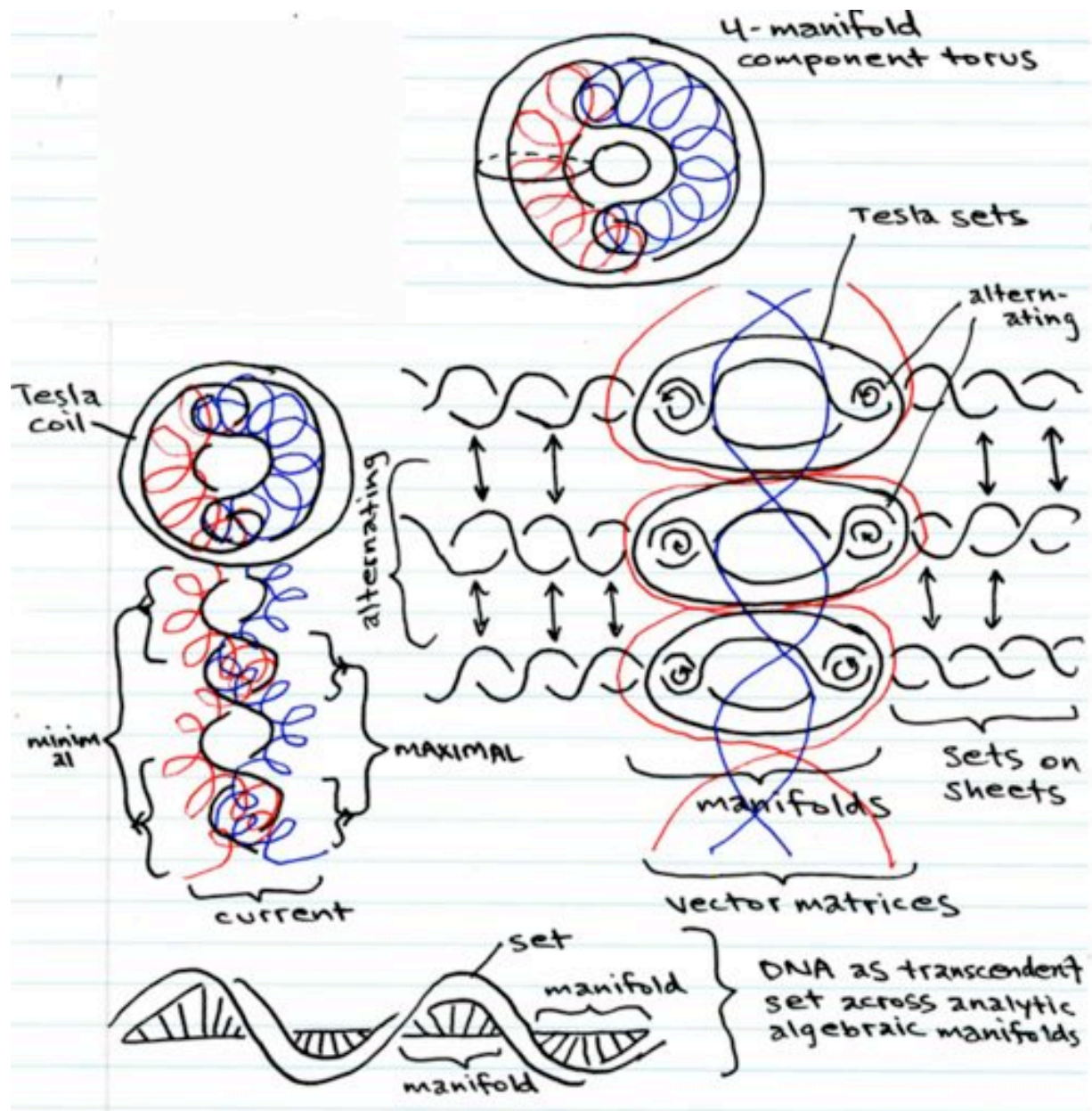
tachyonic light : 2 possible theories

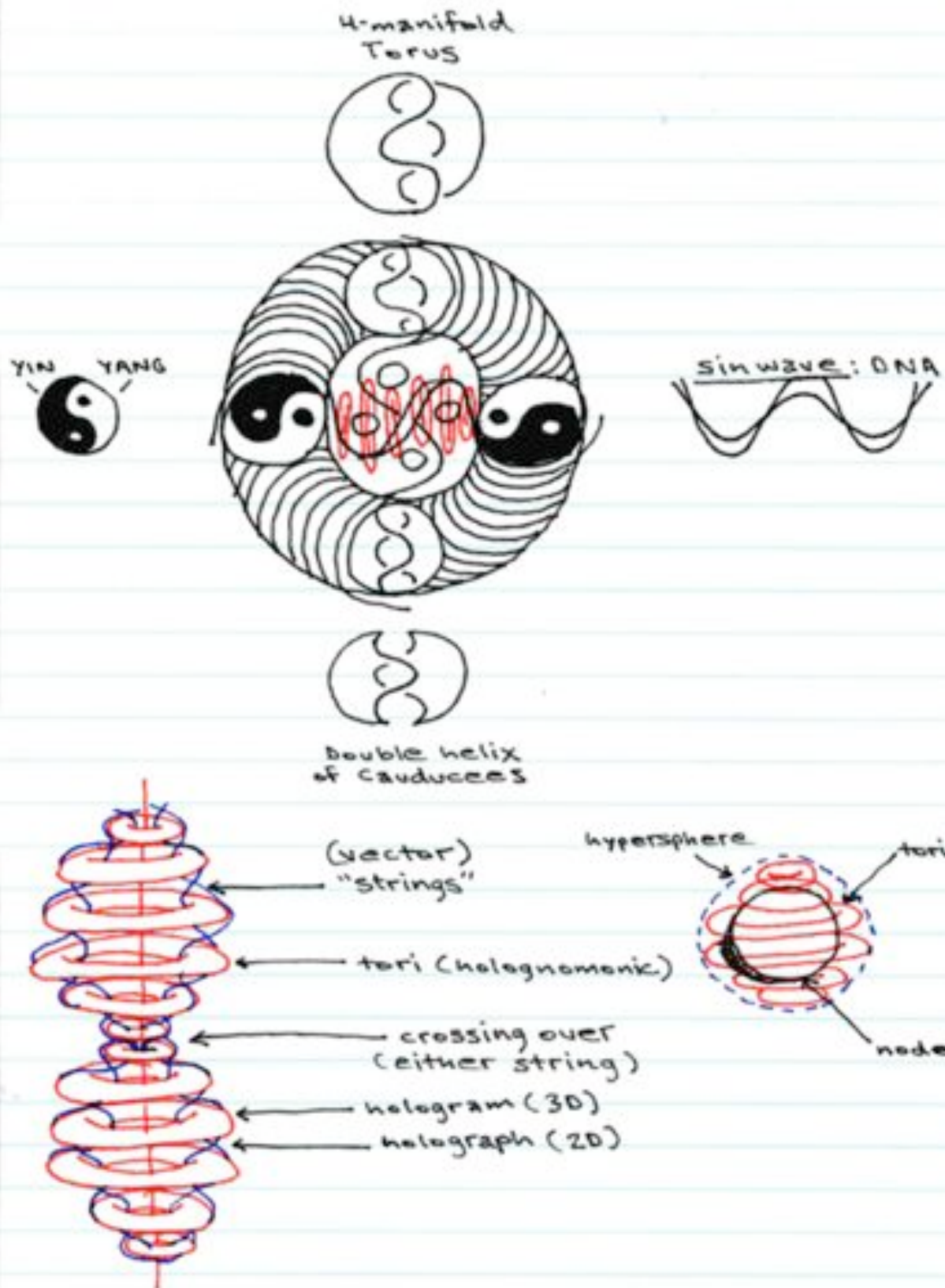


extra sensory thought as perpendicular
to tachyonic light

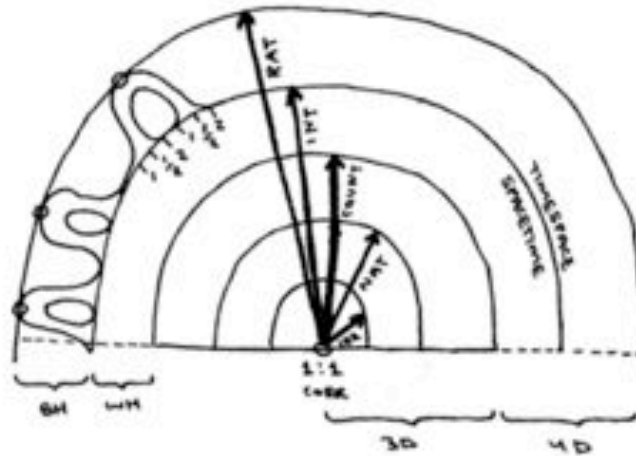


instantaneous
manifestation
is defined as
the focus of time
when potential
energy expenditure
and information
being delivered
are exactly equal,
as in the case of
perfect clarity
upon some point
or the passing of
a thought perpen-
dicular to that point
but of great elegance
-f.s.o.m.



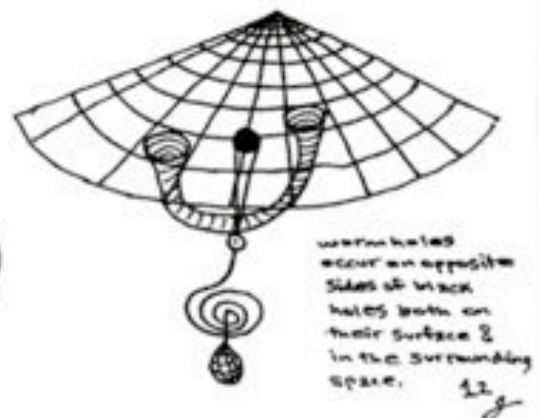
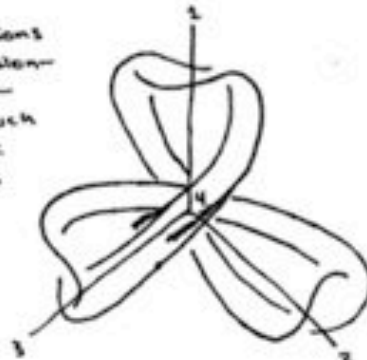


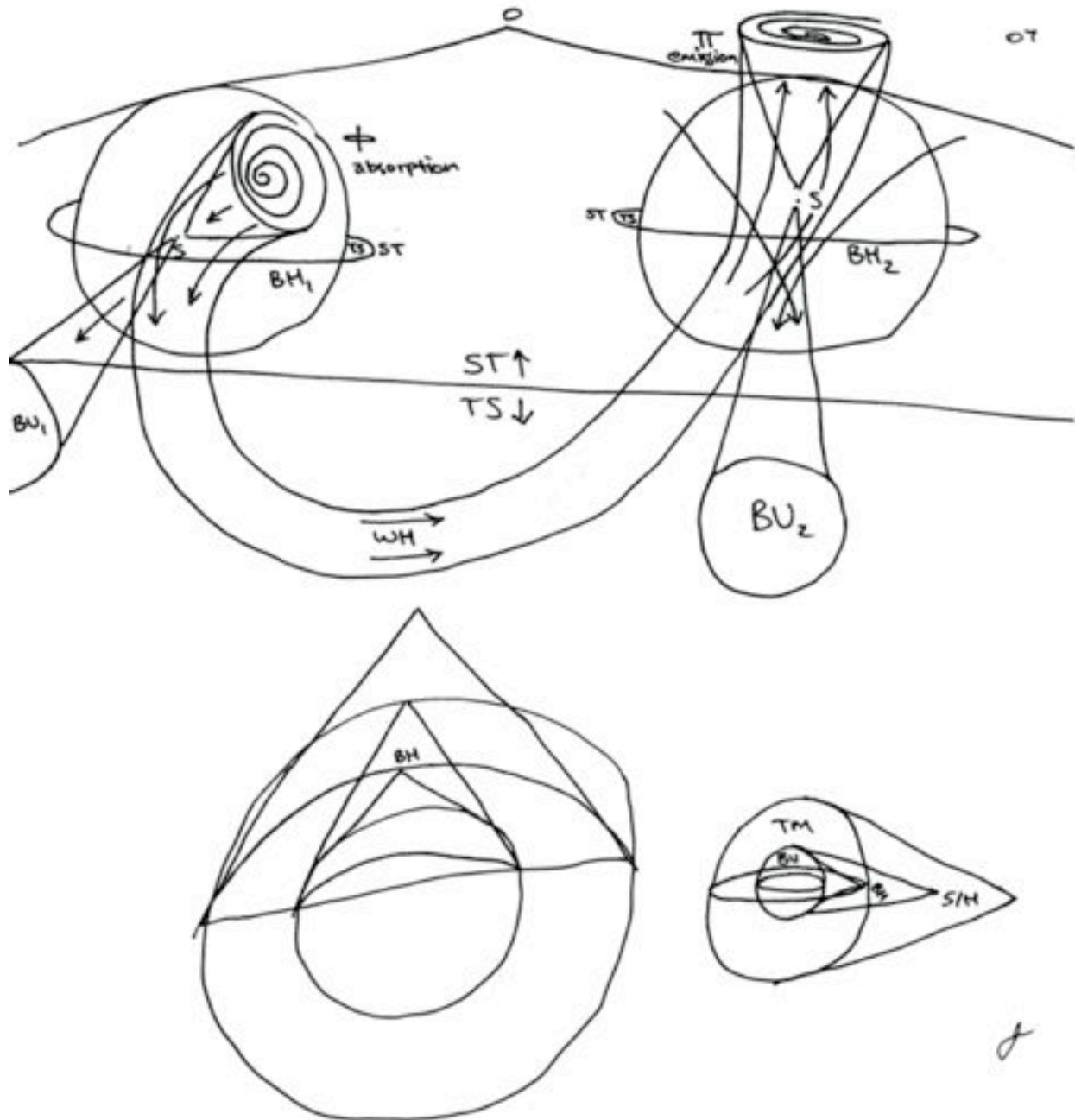
nb3.6:: black-holes

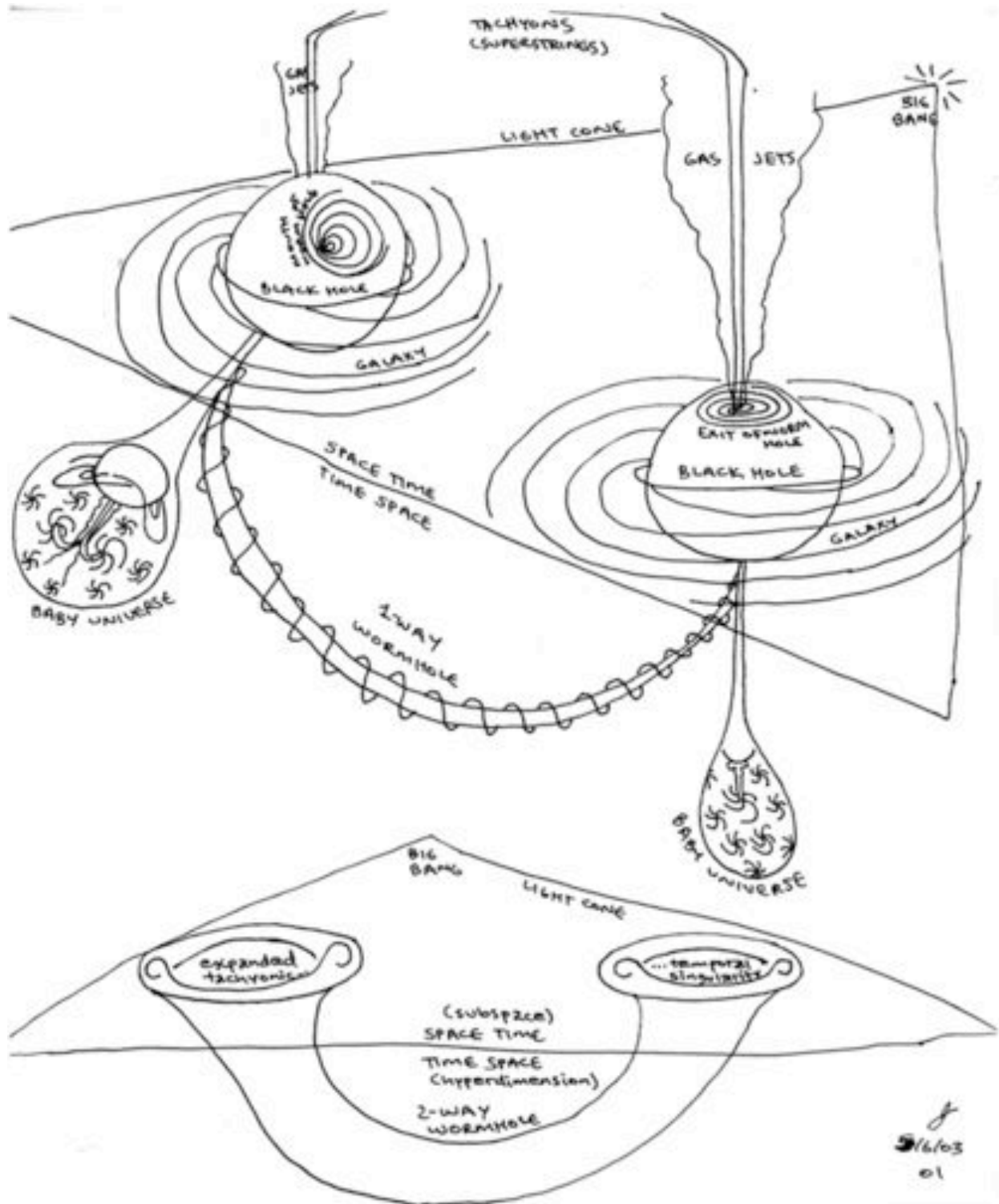


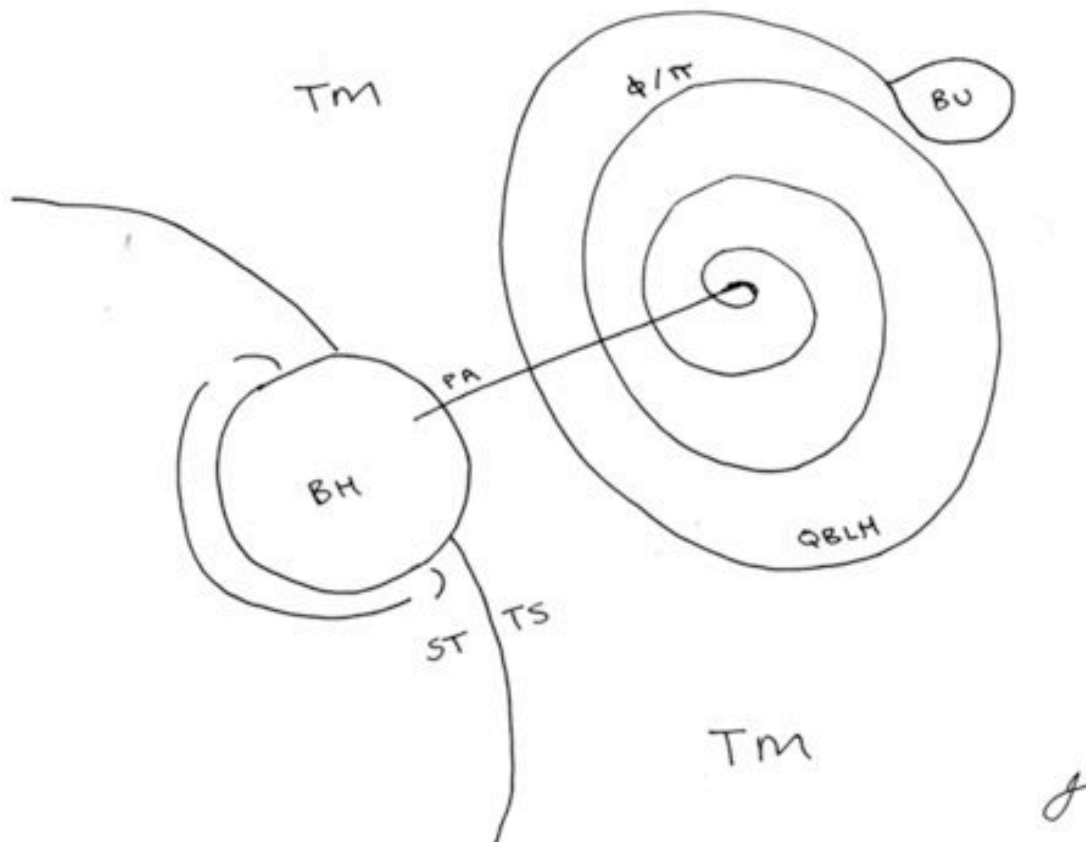
IRRATIONAL numbers represent singularities: expressible in compact variable form ($\sqrt{1}$, $\sqrt{2}$, ϕ , π , e , c , $\emptyset$, h , $\hbar$, etc.) such that, as axioms, they can even be used in equations, they extend off infinitely. NATURAL numbers are second dimensional: only positive integers not including zero, they have a binary beginning (1) & ending ($\infty = \emptyset \approx 0$). COUNTING numbers are three dimensional: they have a binary beginning (0, 1) and, again, an ending that stretches off into the infinite. INTEGERS & RATIONAL numbers are fourth dimensional. Wormholes occur as infinite fractionality breaks through between whole number integers. Since decimals are asymptotically infinite between any two whole, real numbers, the wormholes curve out to infinity & then bend back, like solar prominences, to open up between two other real coordinates. The infinite points of certain wormholes, as well as other infinities not connected by certain specific wormholes, are the IRRATIONAL #'s in between whole, real integers, & these are the inversions of the rational number set that describes their entire potential area. The reason the first three dimensions are spatial & the fourth dimension ephemeral is that IRRATIONAL, NATURAL & COUNTING numbers are all denumerable by 1:1 correspondence. The INTEGERS and RATIONAL numbers though are an infinite list, related like a fractal to one another (where the empty spaces are the irrational black holes).

The apparent 3 dimensions are really only 1 dimension - the singularity of time - distorted into a trefoil such that there appear to be three spatial dimensions at right angles to one another.

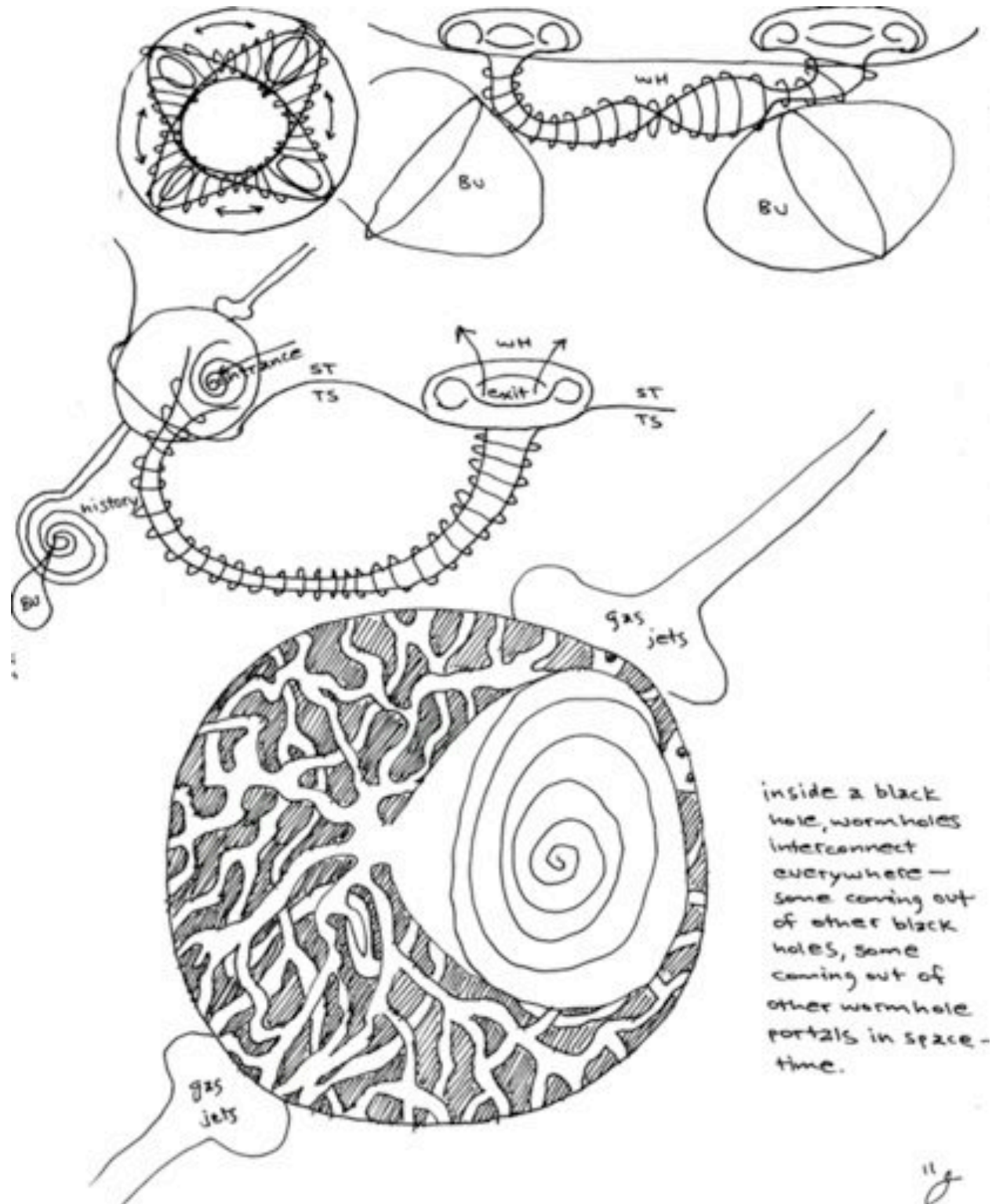


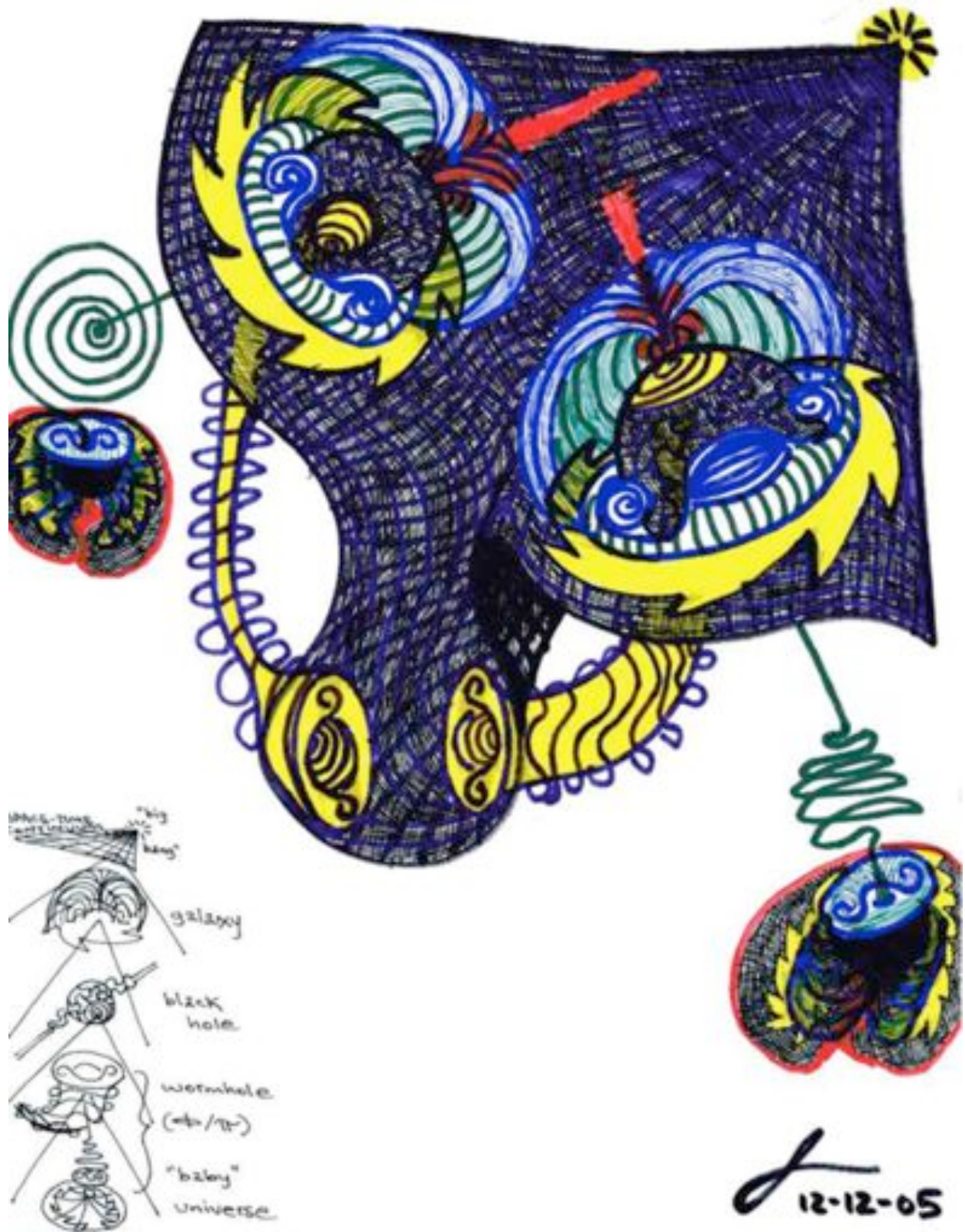




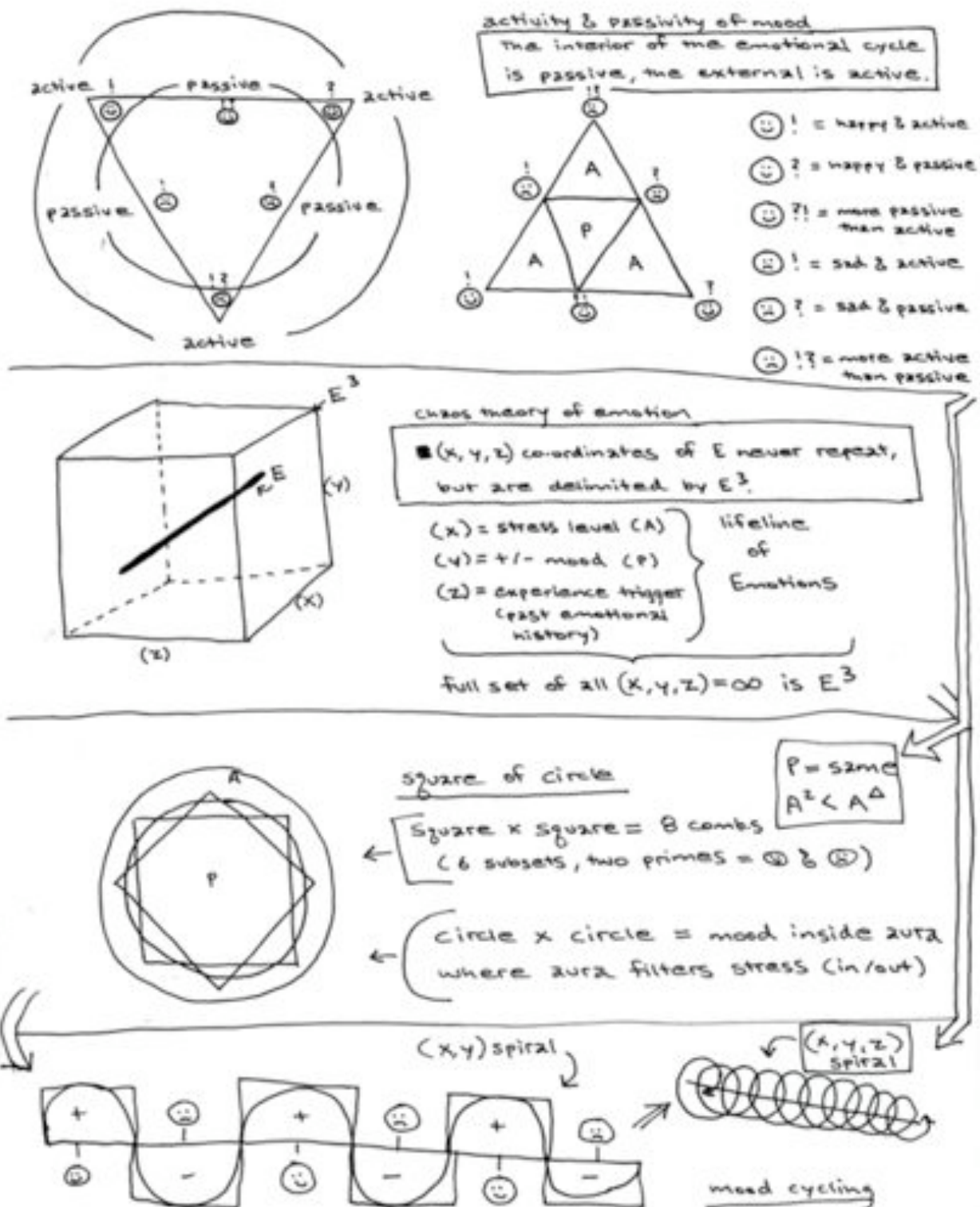


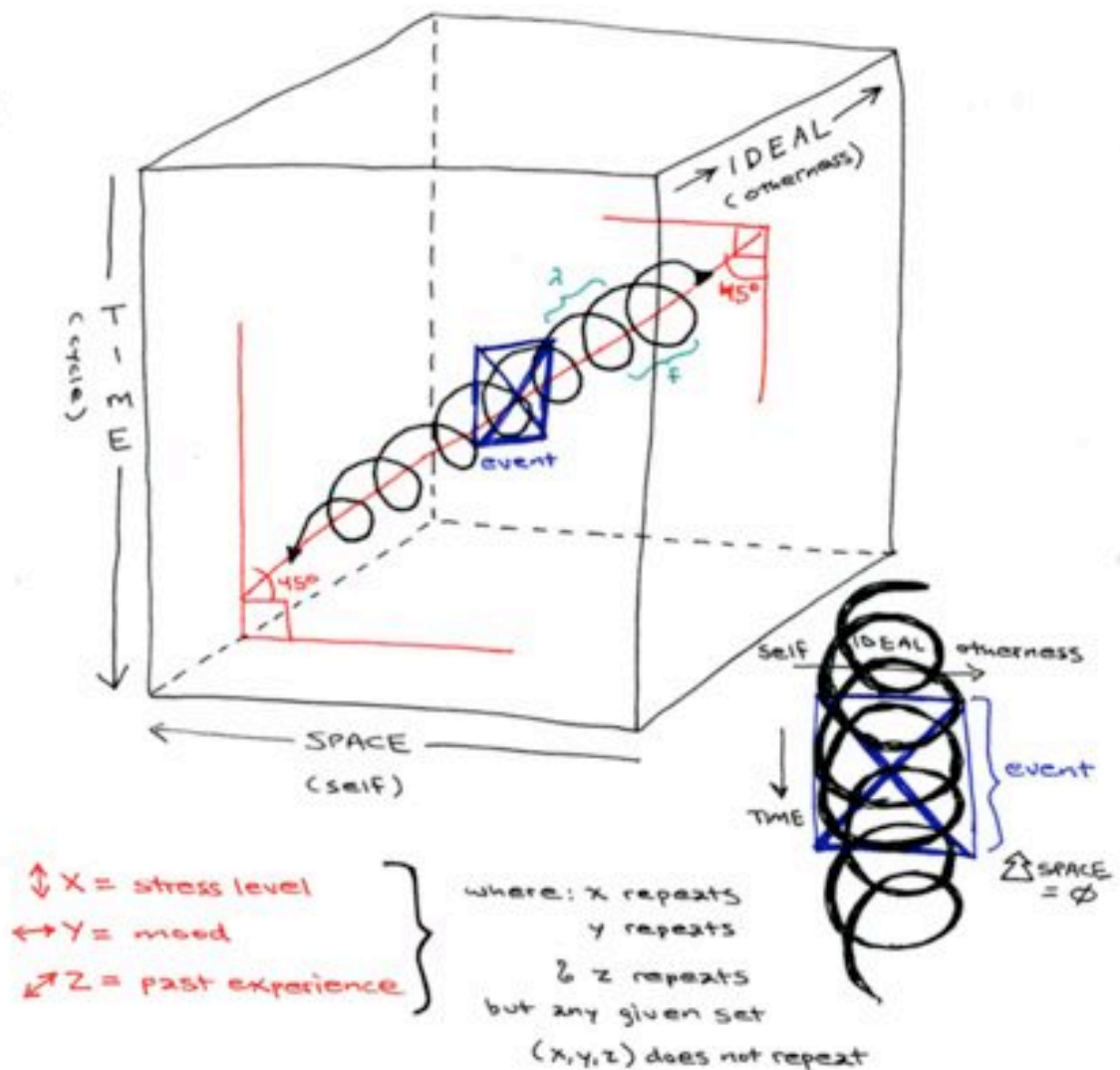
The Polar axis of the black hole unwinds the history of the baby universe at its singularity point in a spiral outside spacetime in the timespace of the tachyonic multiverse. This spiral is measured as ϕ/π and therefore is $\approx$ to the QBLH. Wormholes open up on the surface of the black hole that lead to perpendicular histories, and these allow transport, as well as feeding back in some of the tachyons from the multiverse, enough to stretch the fabric of spacetime & give the illusion of the universe's accelerating expansion.

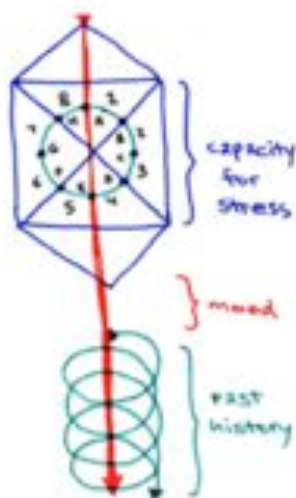
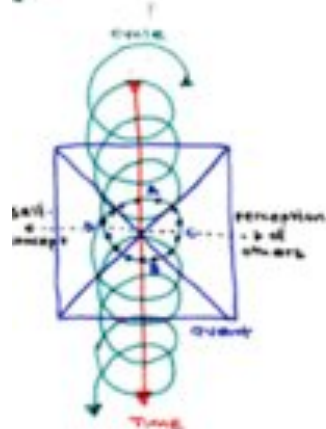
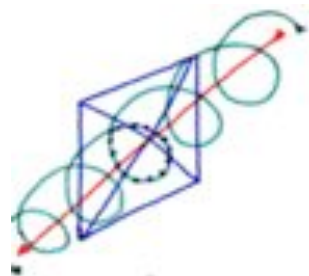




nb3.7:: Conclusions







The flaw in modern psychiatry is time compression. Diagnoses are forced to be made "in situation", which singularizes time to an event plane. Nonetheless we see that in the emotional inter-connectedness curve (where mood is normalised) there remain a variety of involved emotional factors. While the psychiatrist only seems to normalise mood by measuring its difference from the maximum high & minimum low (min-max statistical averaging) they tend to disregard or seek to negate the projection of sub-conscious emotion (in the unconscious oscillation wave of the "sleeping cycle") onto the perception of otherness, and therefore the self-definition of mood as relative response to this, which are perpendicular to the min-max diagnosis's model.

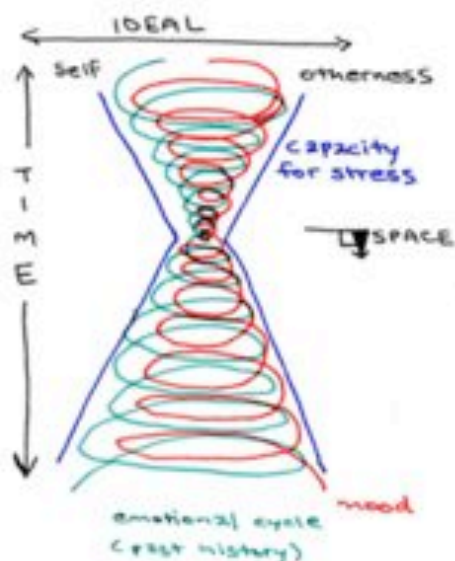
Here we see the model turned such that time is flat, where "event" is "in situation". By controlling the environment of the situation (i.e. confining it to a clinical or office setting) the psychiatric diagnostician is only trying to optimise the potential for observing the min-max model by compressing time into a singular event. Of course, as all human beings know, emotions change with time. So, really the clinician is not treating the emotion, but only the mood—only the self-conceptual reaction to the clinician as subject for unconscious emotional projection. Thus, by assuming themselves as a non-projection, or as a manifest "blank slate", they are seeking to measure only min-max mood's relative position to self-concept (between A and B in the diagram).

PASSIVE — ACTIVE

- 1) cooperative - overconventional
+B +B
 - 2) responsive - overgenerous
+C +C
 - 3) managerial - automatic
+D +D
 - 4) competitive - exploitative
+E +E
 - 5) blunt - aggressive
+F +F
 - 6) superficial - distrustful
+G +G
 - 7) meek - self-effacing
+H +H
 - 8) docile - dependent
+I +I
- A ⑦ ∴ A ⑥

In reality, if we were to compress not only time (as do clinicians) but also all the other aspects of the model, what we would be faced with is essentially a model for emotion which is shaped just like a virus. Past history acts like its collector fingers, mood its spine, event its "head" or main organ, and the different effects of mood-emotion and perception of self-otherness as the

"organs" or data cells inside its main organ. Far from being frightening for the reason of accuracy, this model is much more terrifying in the current prevalence of its actual application. In fact, all aspects of behaviorism, from Pavlov's dogs to Skinner's box, tacitly accept that this model is workably accurate. Indeed, on a very understated but doctrinally understood level, behaviorism is founded on the model of emotion as virus, as alien, outside influence on the intellectual "blank slate" of the patient as manifestation. The patient is invariably, and unquestionably, seen as "suffering" to the physician, by default, as "weak," thus, the patient is the projected manifestation of an unconscious emotion of the clinician, and only by removing, excising the evil spirit, of that emotion can the patient be "cured," and return to the "blank slate" state of the physician's self-concept.



Now, the compression of time into singular event functions somewhat similarly to the operant observer principle. Commonly this means "a watched pot never boils" - & for all practical purposes this principle is rarely understood well enough to be applied to any more practical and than such a similar expectation on the part of the clinical diagnostician.

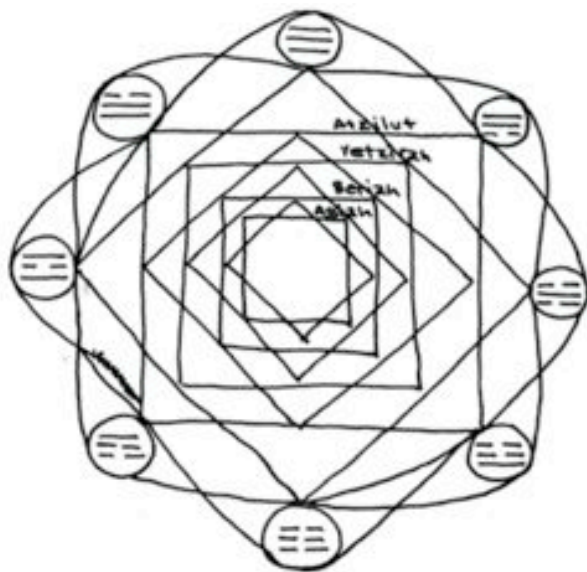
However, as anyone who has studied physics will know, the cause upon which this axiomatic principle is based is Heisenberg's uncertainty principle. According to uncertainty, in order to measure (observe) a potential event, one must interfere with it (such as by striking an electron cloud with a photon to be able to measure either direction or velocity of the electron charge, thus changing the other), & by interfering cause conditional change.

Thus, as an event of any prior expected importance to an individual approaches temporally, the operant observer principle causes heightened excitation over perceived relevance of events leading up to the important event, and thus narrowing the marginal capacity for "non-relevant" stressors.^R Here, we see that space is compressed rather than time, and when this becomes the case we can see that, far from being the clinically optimal flatline, mood itself is also a spiral, opposite to and intertwined with emotional history.

Therefore, the closer an event of importance becomes temporally, the closer mood (self-concept) and emotional history (perception of otherness) come proximally toward one another, until, in the minimum stress-capacity / maximum stress situation, they overlap in the singular event, and the mood state imprints itself in the permanent sense-memory of the cycle of emotional history.

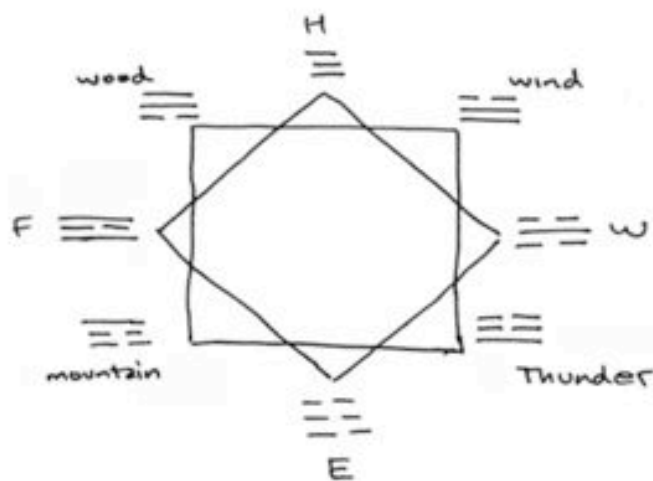
This process can be seen to occur not only due to external, operant-observer expectations of temporally approaching event importance, but unconsciously due to fluctuations either of emotion toward mood or of mood toward emotion.

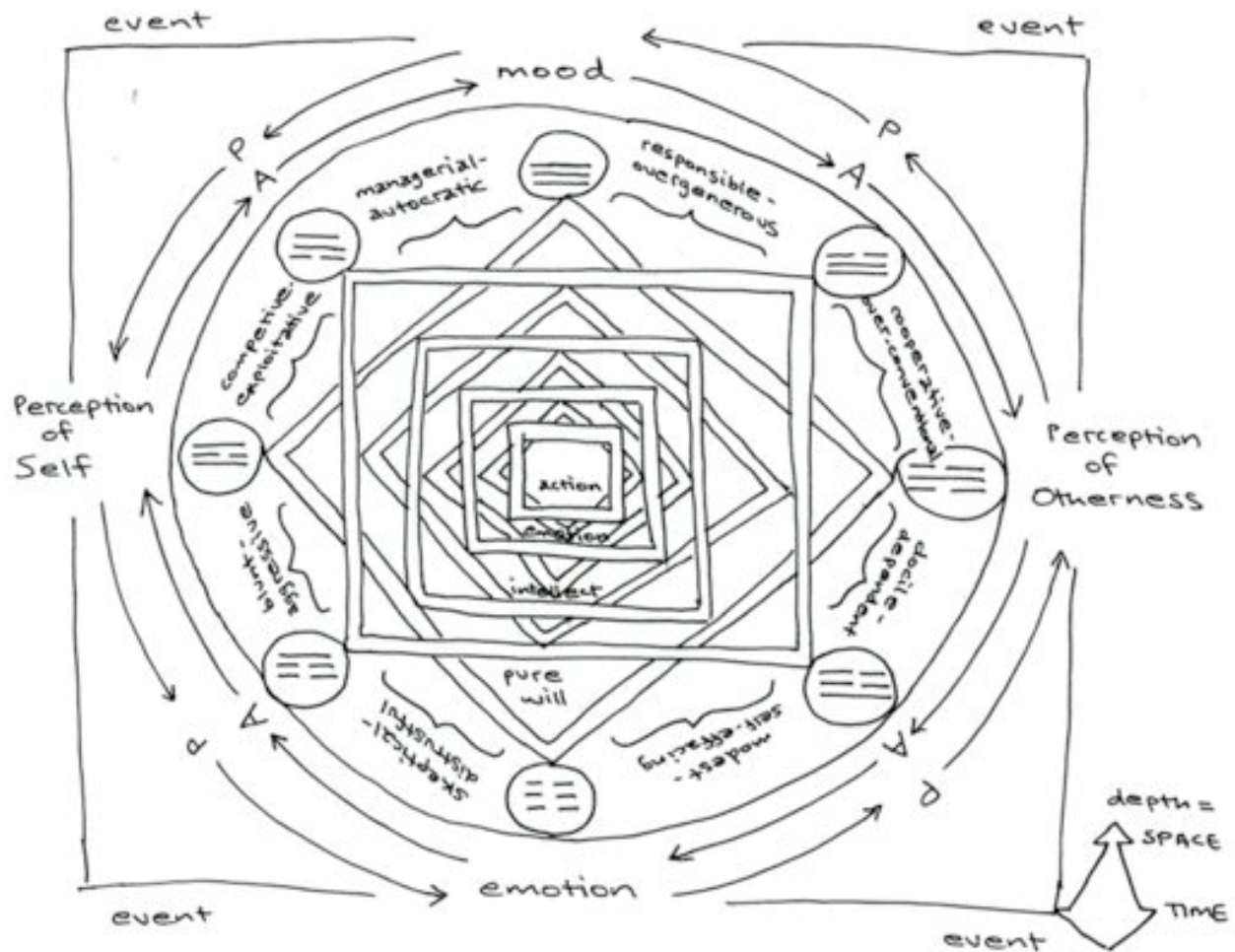
In the most extreme stressful situations, the very line between sense of self & perception of otherness can be crossed, resulting in anything from latent multiple personality disorder to outright psychogenic fugue states. While this sort of experience is extremely uncommon, its less potent conditions - such as post traumatic stress obsessive / compulsive disorder, as well as any host of sexual dysfunction side-effects - are becoming distressingly increasingly common place in our fast-paced, winner-take-all working society.

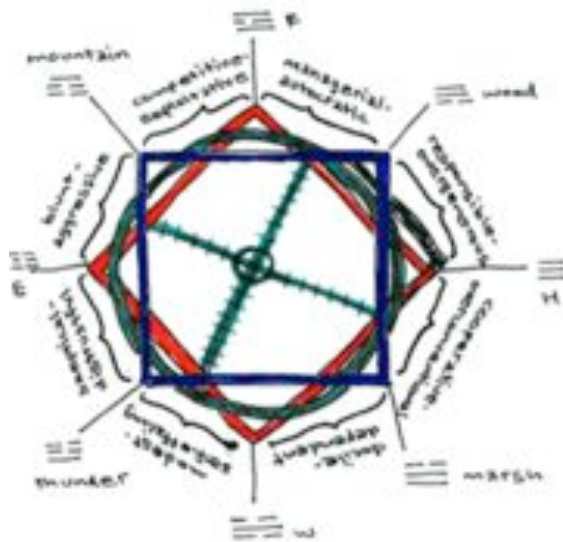


Atzilut = fire (pure will)
 Yetzirah = air (intellect)
 Beriah = water (emotion)
 Assiah = earth (action)

☰ heaven
 ☴ wood
 ☵ water
 ☳ thunder
 ☶ Earth
 ☷ mountain
 ☲ Fire
 ☱ the marsh





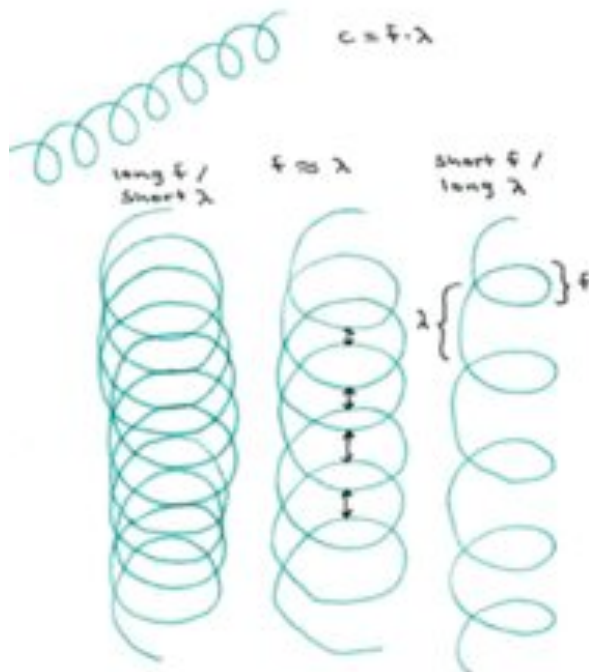


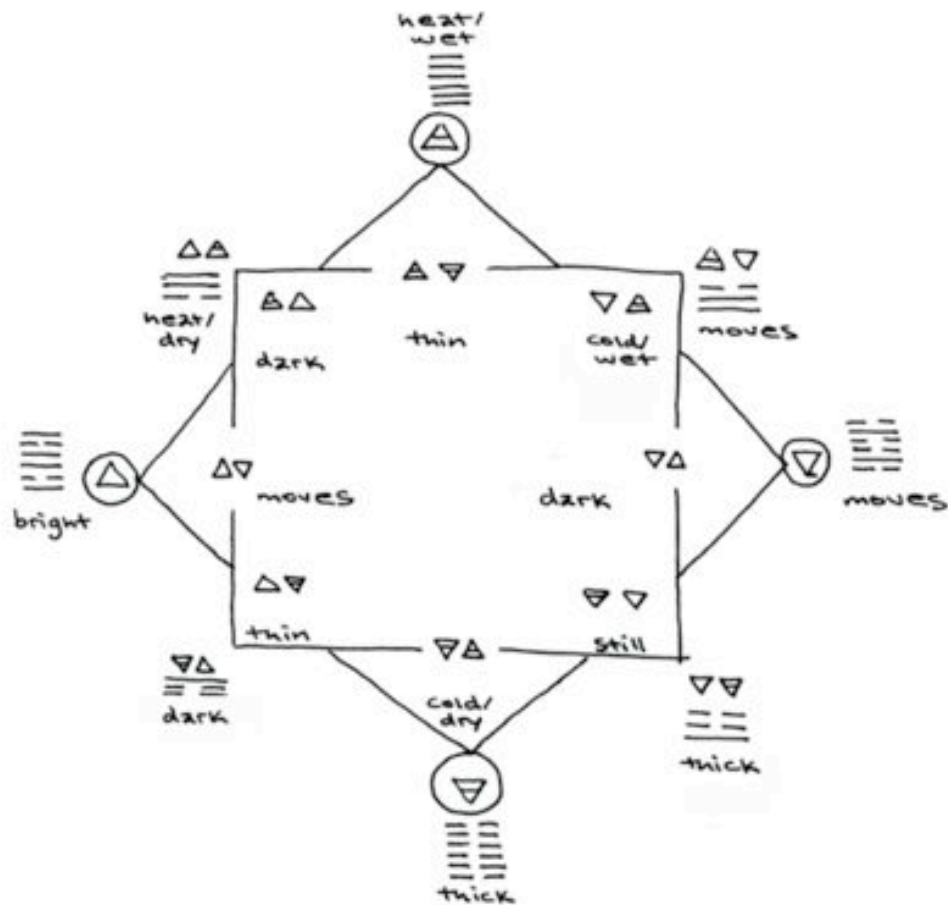
To combat the time & space compressing limitations of contemporary clinical diagnosis, Dr. Timothy Leary attempted to create a modified behavioral event model, which still included a range of behaviorally desirable, socially normative target traits, but also sought to address a wider variety of other tangential or marginalised traits that he felt were commonly under-addressed.

In Leary's model the behaviorally normative trait range was between "managerial-autocratic" and "cooperative-overconventional", roughly - "responsible-overgenerous".

It was, most likely, Leary's fascination of Buddhism & the noble eightfold path that encouraged him to design a cyclical, base eight model, and it is, therefore, not inappropriate to draw from the well of oriental philosophy to augment his model.

While Leary gave zones or ranges for targeting behavioral traits, he left the points of their division open to speculative interpretation. In keeping with Leary's penchant for Buddhism, I have opted to assign to these midpoints the eight trigrams of the Chinese I Ching. I have arranged these relative to the traits according to the comparison of elemental consistency of the four worlds of QAM.

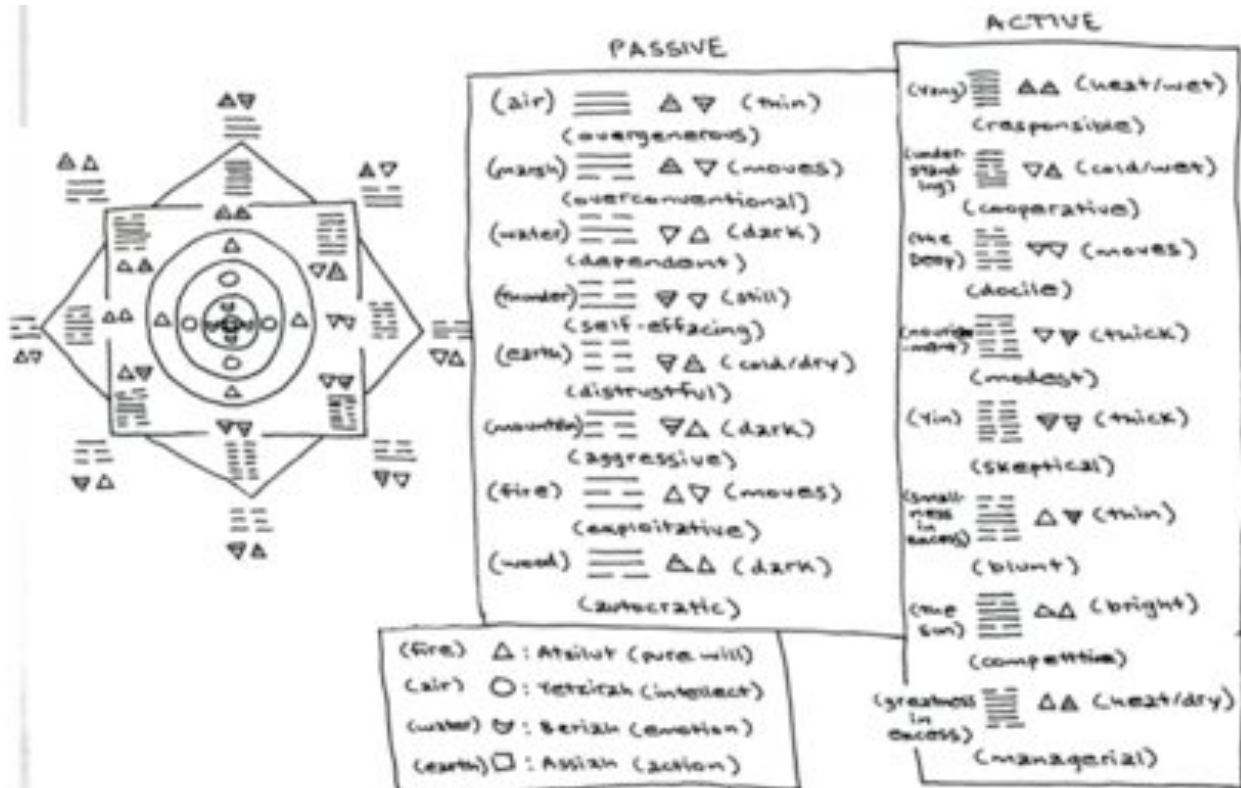




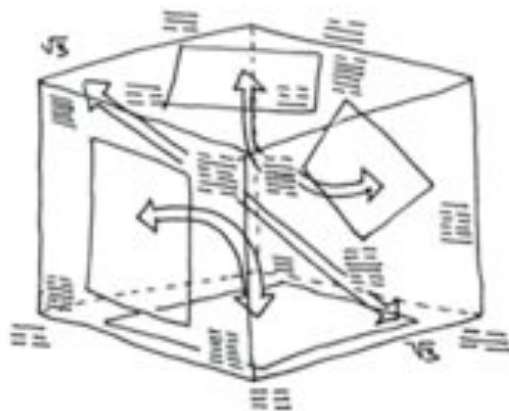
elemental combinatory model of the base eight model (draft one)



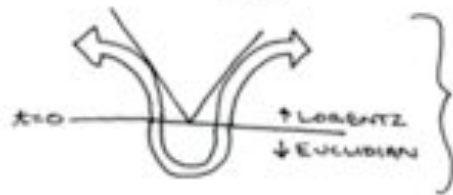
elemental tri-hexagram model of the base eight model (draft one)



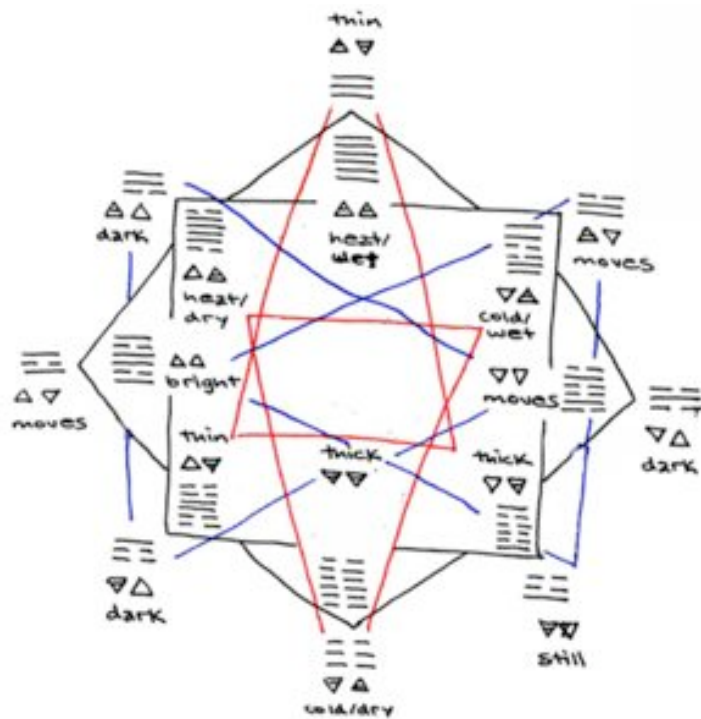
Euclidian transform.



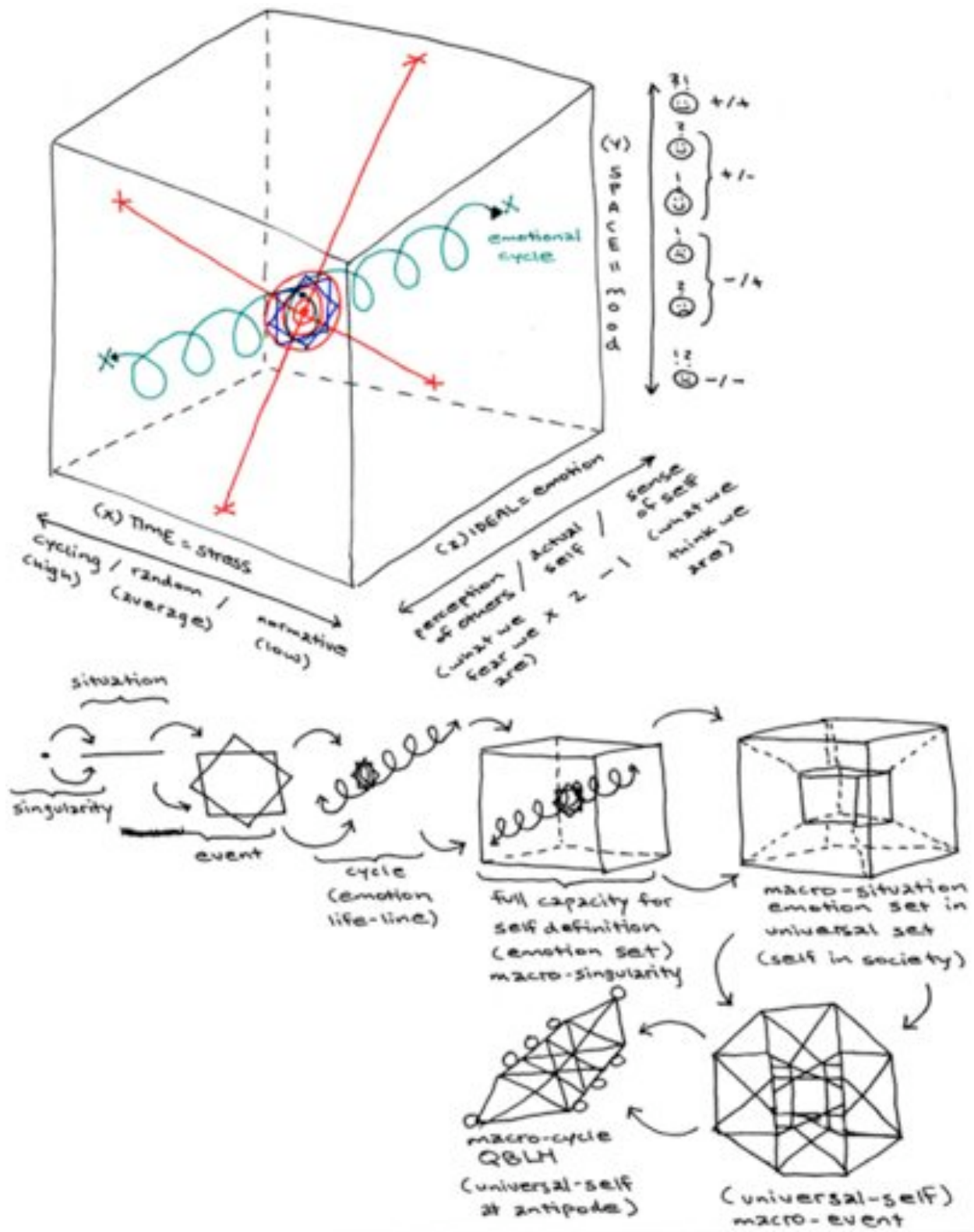
Lorentz transform.

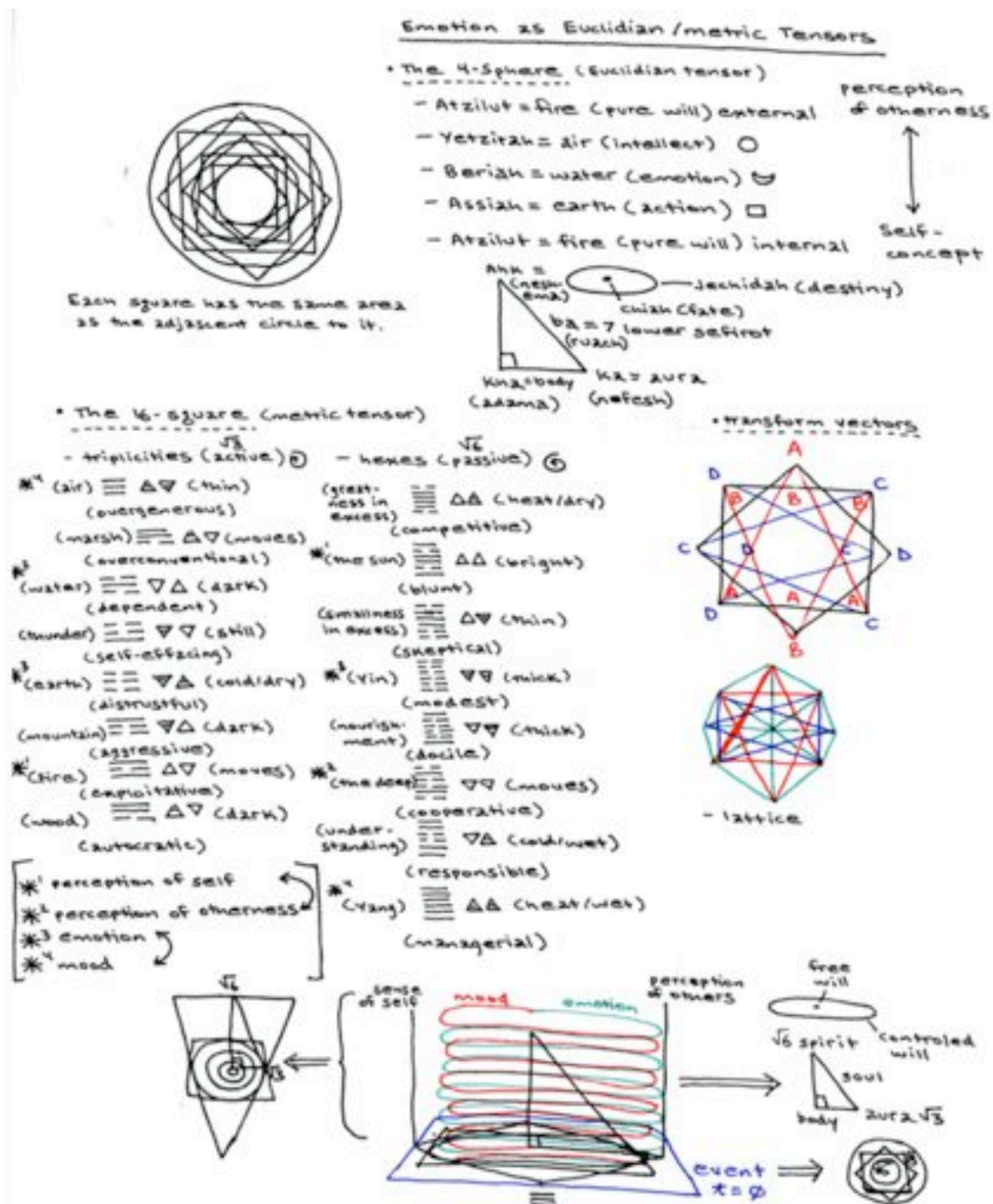


"tunneling" by joining transforms

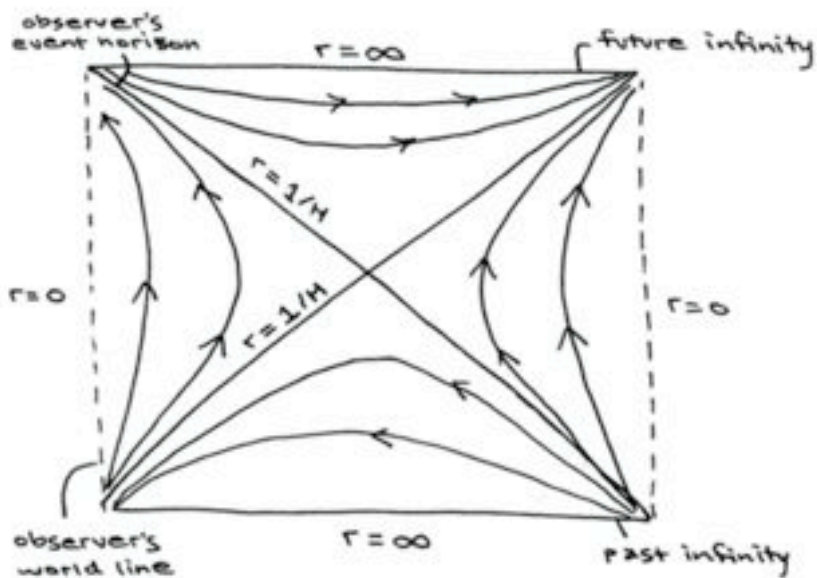


elemental combinatory and tri/hexa-gram metric of the base 8 model
(draft+two)





$$ds^2 = -(1-H^2 r^2) dt^2 + (1-H^2 r^2)^{-1} dr^2 + r^2 (d\theta^2 + \sin^2 \theta d\phi^2)$$

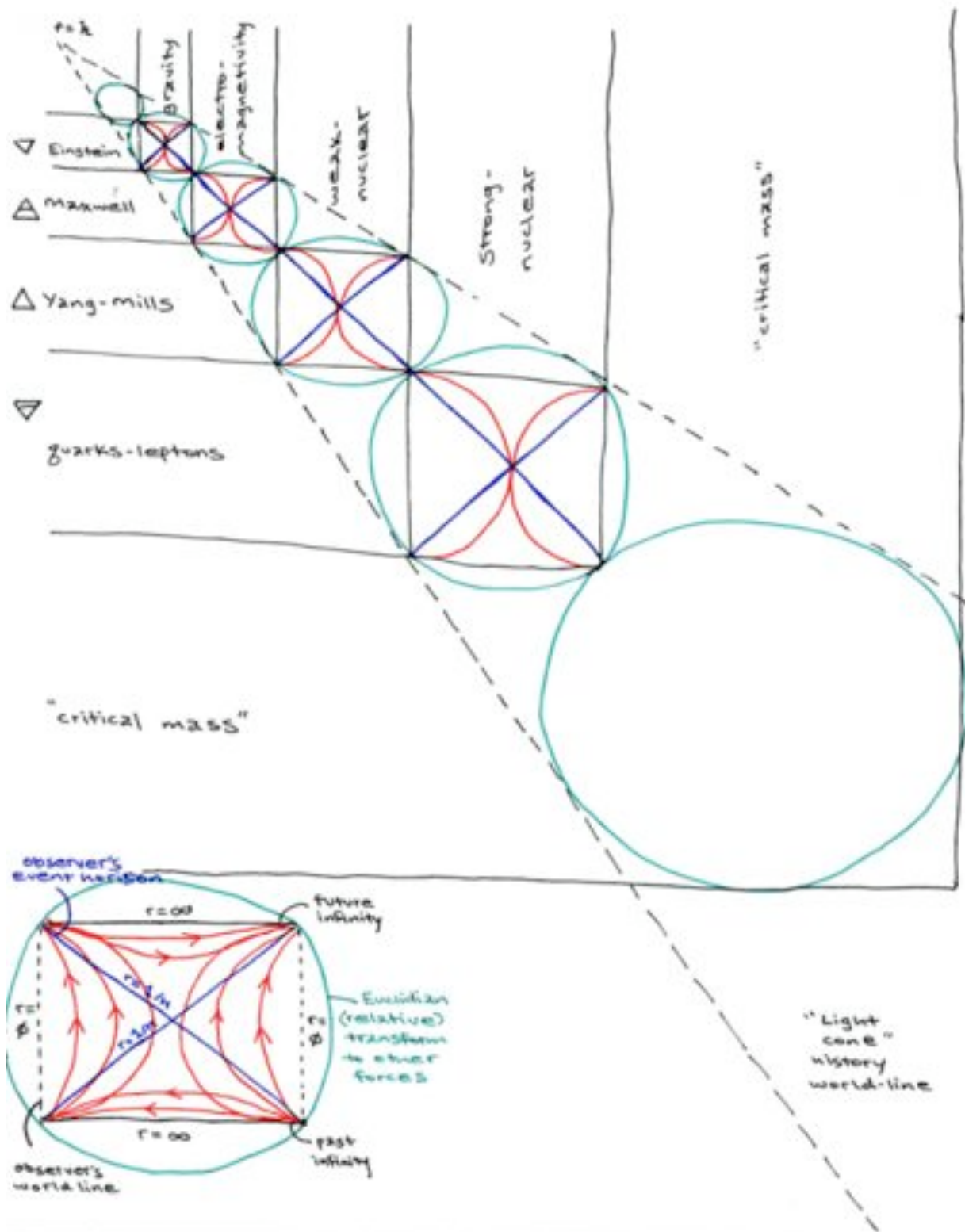


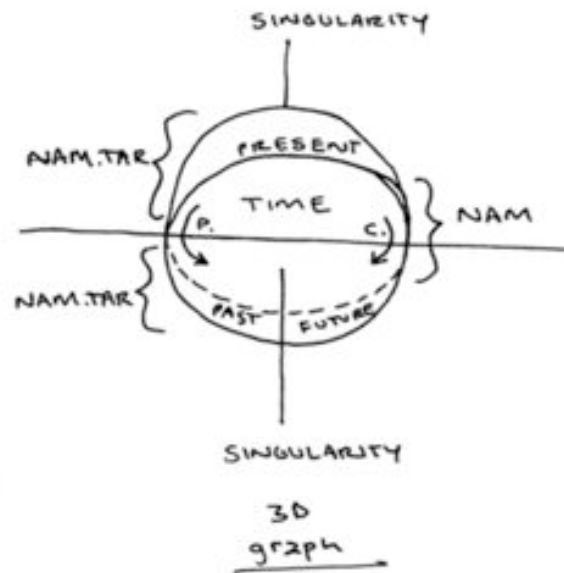
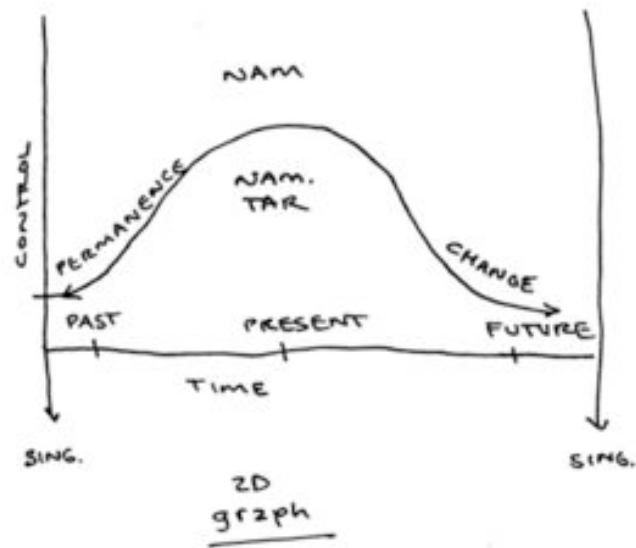
Static Form of the de Sitter metric

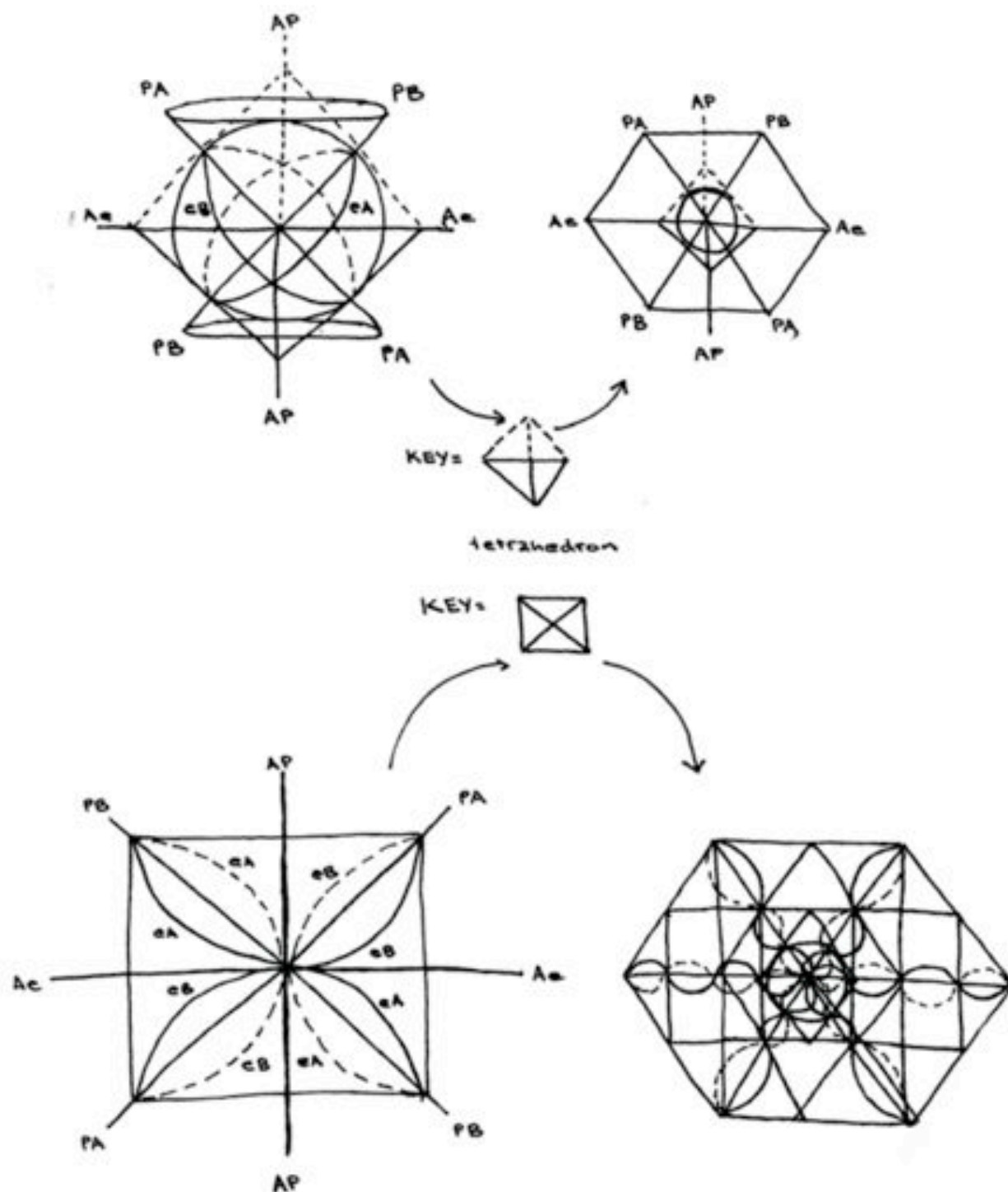
Einstein	maxwell	Yang-mills	Quarks-Leptons
maxwell	?	?	
Yang-mills		?	
Quarks-Leptons			?

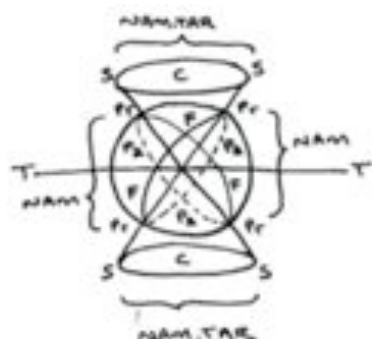
Gravity	Light	nuclear force	matter
Light	?	?	
nuclear force		?	
matter			?

super-Riemann metric tensor = "supergravity"



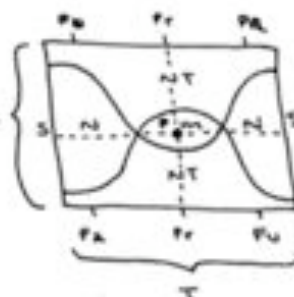






The precession of control / time

Here we see that the interchange of control by self & control by non-self is further regulated: Rather than being at the point of highest self-control, the present moment (PM) actually occurs as between counterposed self-controls,



one moving from past-future, the other moving opposite this. These can be called, for want of more appropriate terms, the "self" & the "higher self," the "will" & the "true will," "jeshida" & "chida," "ego" & "super-ego," "soul" & "spirit," etc. etc. However all of these terms lose the value of the initial implication of temporal dualism.

What this temporal dualism indicates is a procession of control / time, dictated by the conservation of angular momentum. Here, it might be wrong to use the terms of either momentum or inertia, since the flow of time is not acted upon by any outside force that sets it in motion, but by the internal force of perception merely appears to move relative to the self.

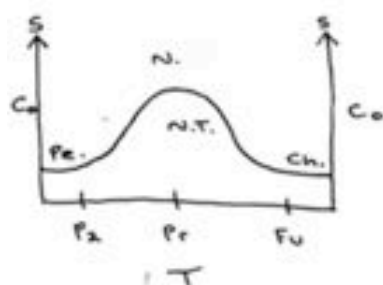
Thus, we see that, in 2D, the 4 quadrants map to the 4 poles as being their hemispheres divided by their equators. Thus, the difference between past & future in the pure dimension of time is an angular difference in space-time.

Now, because this procession is dimensional, it does not occur as over a fixed duration of time, but as through the interaction of the dimensions of space and time.

So we see that, between two presents there is the latitudinal circle of the future, & between another two that of the past, as upon a light-cone representing the sum over histories of time. We see, further, that all points on this light-cone represent the present, & that this is perpendicular, on average, to the rotation of past & future and to the orbit of time.

We also know that this lightcone, representing the procession of dimension, in turn constitutes manifestation. So, thus we see that, to travel geodetically from one present to another along a latitude constitutes a temporal singularity. We further know that the spatial shape of the temporal singularity is the torus, & this fact is borne out by the geodetic latitude itself.

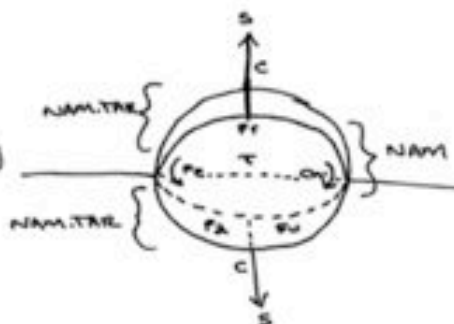
Thus, travel between future & past means to cross "between" geodetic, angular tori at their intersection point in the present moment on the surface of the light-cone, and, by taking the fourth perpendicular thereby, to invert them.



Here we can see that Self has more control ("free will" or NAM.TAR) in the present, while non-self has more control ("destiny" or NAM) in the past & future. This is because the past is governed by permanence & the future is governed by change, while the self-in-the-present is governed equally by both.

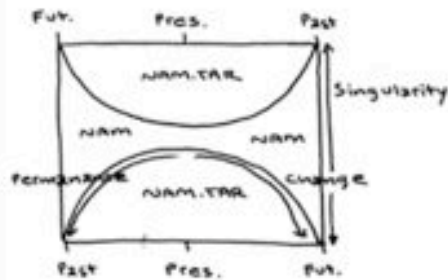
Now, the self has control in the present (NAM.TAR), but the non-self has control in the future & past (NAM). So let us take these three peak-troughs of control as an axis of three dimensions, which we shall call a singularity.

Now, if we map the above curve as an inclined geodesic around a sphere, whose axis is the above mentioned singularity, we find that the singularity of the present (self-controlled NAM.TAR) is in fact the same singularity dividing past & future (non-self-controlled NAM) at the opposite pole.



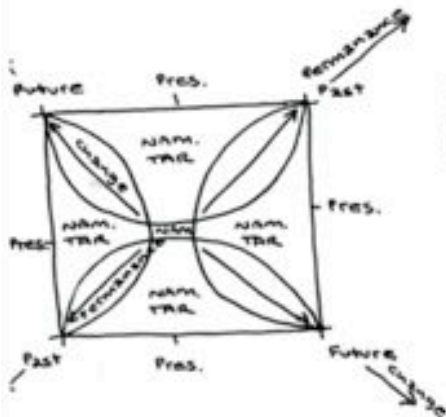
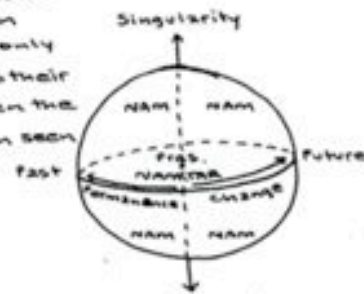
So, we can see already the potentially cyclical nature of time. However, our empirical evidence dictates time as linear. Why is there this contradiction? It is simply because time moves in two directions, in a way. That is, as we move forward through time (from permanence toward change) time moves backward through us (from change towards permanence). If it were not for this combined, dual effect being equal at all times we could flow with time into the past, or move ahead on our own into the future, rather than being permanently in the present moment.

Let us remember however that time is like the orbit of this sphere & that control is merely its rotation. Neither represents the fastest route between the polar present & the opposite pole. To achieve this we must use the third perpendicularity - that of the axial singularity.



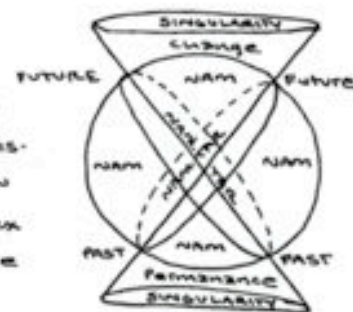
This is the standard graph of above & below the limit of photoic light which defines time as the standard arrow of entropy. Below time progresses left to right, & above opposite this, nam ("destiny") & NAM.TAR ("gate" or free will) increase & decrease in direct relationship to one another. The past is increasingly fixed (permanent) while the future is ever more in flux (change). At either "end" of the timeline is a singularity connecting the above & the below.

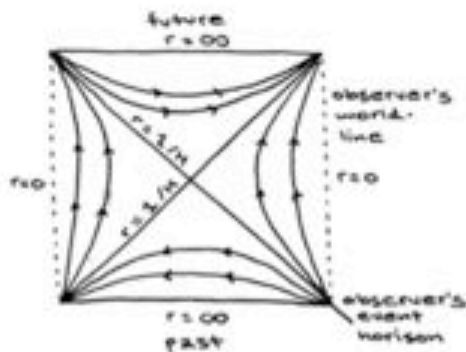
When the standard graph is mapped onto a sphere, the relationships between above and below photoic entropy become even clearer, as the apparent "twin" singularities are revealed as only a single polar axis, and the future and past below connect to their counterparts above around the equator, which is NAM between the two hemispheres of NAM.TAR. Change or permanence are then seen to be directions of rotation.



In the second iteration of the standard diagram, the apparent "twin" singularities are both mapped as time-streams themselves, perpendicular to the standard time-streams above and below the rate of photoic entropy. The reason for doing this is to signify the multiverse and nuliiverse effects of the Σ to fold. Here we see that the same quanta are measured (photons on the left & below and tachyons above & to the right). Also we can more clearly see that permanence & change become diagonal axes of effect by the interaction of these quanta.

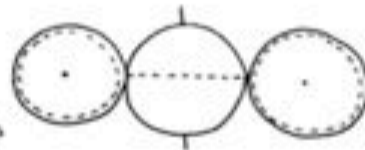
When the second iteration is spherically mounted the reason for the double diagonal axes can be seen. The opposite corners of the transform map to each other and the double axis is revealed to merely be the procession, or rotational tilt, of the axis of the singularity. At $\sim 45^\circ$ to each other, the equators (still NAM.TAR) of the apex of the rotational tilt of the polar axis are at $\sim 90^\circ$ to one another, or perfectly perpendicular.





This model represents the static de Sitter metric, which, as Hawking points out, describes a cosmology which is similar to a black hole. In de Sitter space, it is empty & will expand exponentially at a fixed temperature, while Hawking points out the difference between this & the observed universe (which is relatively full & with a non-fixed temperature), the de Sitter static metric may yet describe the properties of underlying super-symmetric strings or branes which comprise the fabric of the space-time continuum's geometric surface.

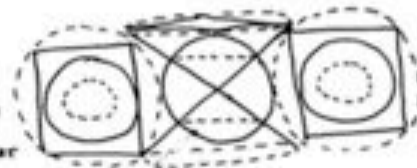
what the de Sitter static metric describes is a unification by super-symmetry of the closed geometry of Euclidean space (the middle sphere, right) and the open geometry of Lorentzian-de Sitter space (the space between the outer spheres, right), where the radius ∞ on either side of the static metric is where the polar axis is a singularity. Since observers can be in varying places in the "space-like" past or future (∞), their views represent diagonals which would be equivalent to the precession of the polar axis of the central sphere (right), when the singularity is replaced with a duration and becomes an event horizon.

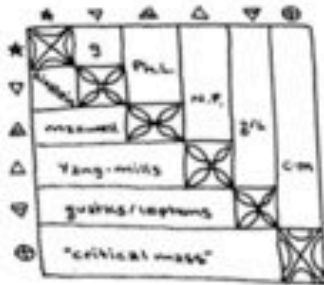


?	E	m	
gravity	?	light	Y-M
electromagnetism			Q-L
Maxwell		?	matter
Yang-mills			?
Quarks/leptons			?

The model to the left represents the super-Riemann metric tensor. Originally the Riemann metric tensor was a collection of 16 numbers, represented as 16 variables, describing the curvature of four-dimensional space. When extended to n -dimensions, the Riemann metric tensor also provides for sections of curvature that describe Einstein's equations for gravity and, through super-symmetry, those of Maxwell for photo radiation, Yang & Mills for the nuclear forces, and, theoretically, for matter particles such as quarks & leptons.

The super-Riemann & de Sitter metrics are essentially in agreement, that is, they are complementary. The empty corner spaces in the super-Riemann are rightly filled by the static de Sitter. The reason for this is that the empty spaces in the super-Riemann at first appear to resemble a series of squares, that is, exponential expansion, however their scale relative to one another is arithmetic. Thus we see they are all complementary to, and actually, overlap one another. The three spheres (right) are only different positions of one sphere, whose polar axis precesses.

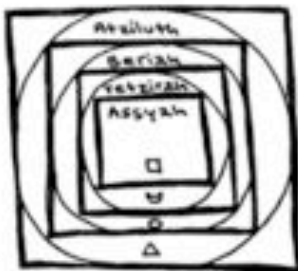
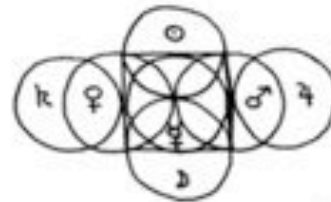




Here we see the combination of the deSitter and super-symmetric Reimann metrics, with the elemental forces duly marked, and with the second iteration of the standard graph acting as a short-hand for the elements within 4-d space-time, and the de Sitter shown properly for sub-gravitic & super-"critical mass" spatial curvatures, which are really complementary, and one and the same. The two, sub/super space-time static metrics act as two parallel planes which attract toward one another, until the diagonal event horizon is warped into the polar axis singularity of one or the other, forming a new universe through black-hole like conditions.

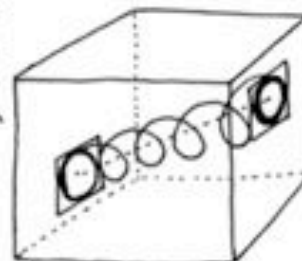
The geometry of this mechanism (described by the formula: manifestation = the procession of dimension, or by the short-hand Φ/π) has already been thoroughly described elsewhere. Here we see the diagram for this basic geometry seen at 45° and at 4-d antipode.

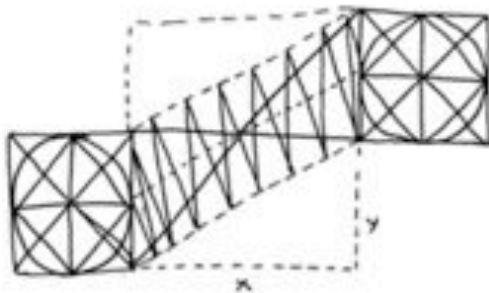
The seven spheres involved can be likened to the seven historically known planets, as well as to the seven color spectrum. In the center is the second iteration of the 4-space static deSitter short-hand.



When enlarged & rotated from 4-d apogee to apogee the second iteration of the static deSitter short-hand assumes a nested appearance. The spiraling involution / evolution which will become the universal light cone should be apparent by the light of eschewal. Here we see the equation expressed in the ancient names of the primordial sctvas. Another expression for this is the serpent of Kundalini wrapped around the Akashic egg.

If we take the 4-d apogee short-hand second iteration of the deSitter metric and drop one dimension, we obtain a cube containing a diagonal. This differs from the standard diagram describing chaos theory only in that here we see the diagonal is a spiral, representing entropy over time, which serves to further limit the chaos factor.





Here we see the previous diagram from the side with the top and bottom of the spiral "unbowed". We see the difference between the standard chaos factor (the dotted diagonal) & the spiral in that the x & y variables of the spiral may repeat, while those of the standard chaos factor do not. To map these we use a dual/diagonal Cartesian quadrant.

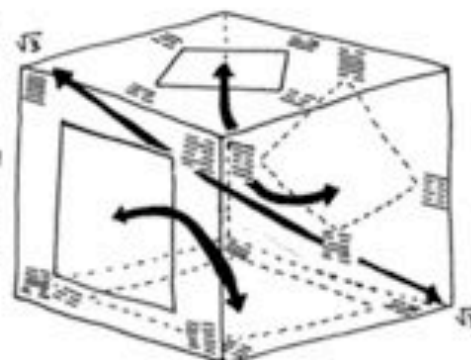
The labeling of this quadrant, since it measures the spiral of entropy over time is based on the interactions of the four elemental forces of 4-space-time. These are represented as the western alchemical, eastern trigram, hexagram and astrix symbols, and positioned $\Delta \nabla$ around and within the quadrant geometry of the spiral, such that, as the world-line orbits along it, the different combinations occur in a counter-rotational sequence.

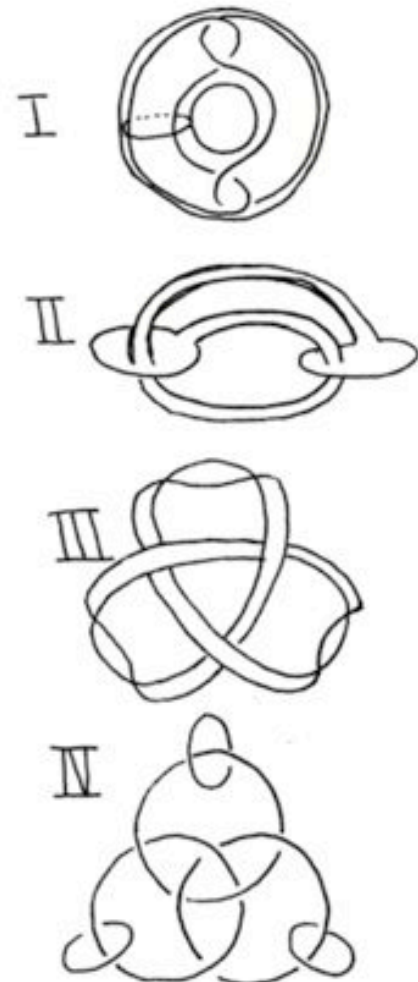
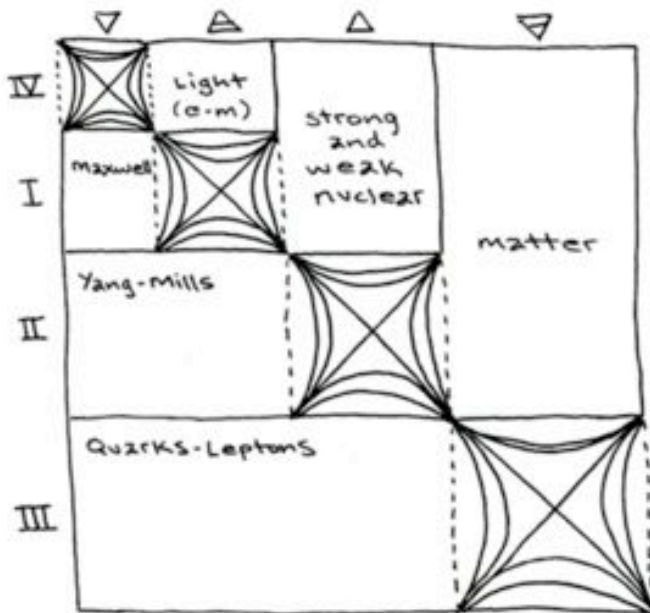


	★	▽	△	△	▽
E	--	X	3/4	A	1/2
W	(1)	thick	(2)	dark	(3)
H	--	L	thin	light	M
A	(1)	Δ▽	(2)	ΔΔ	(3)
N	--	A	thin	dark	T
Δ	(1)	Δ▽	(2)	ΔΔ	(3)
B	--	I	thin	dark	O
▽	(1)	thick	(2)	dark	(3)

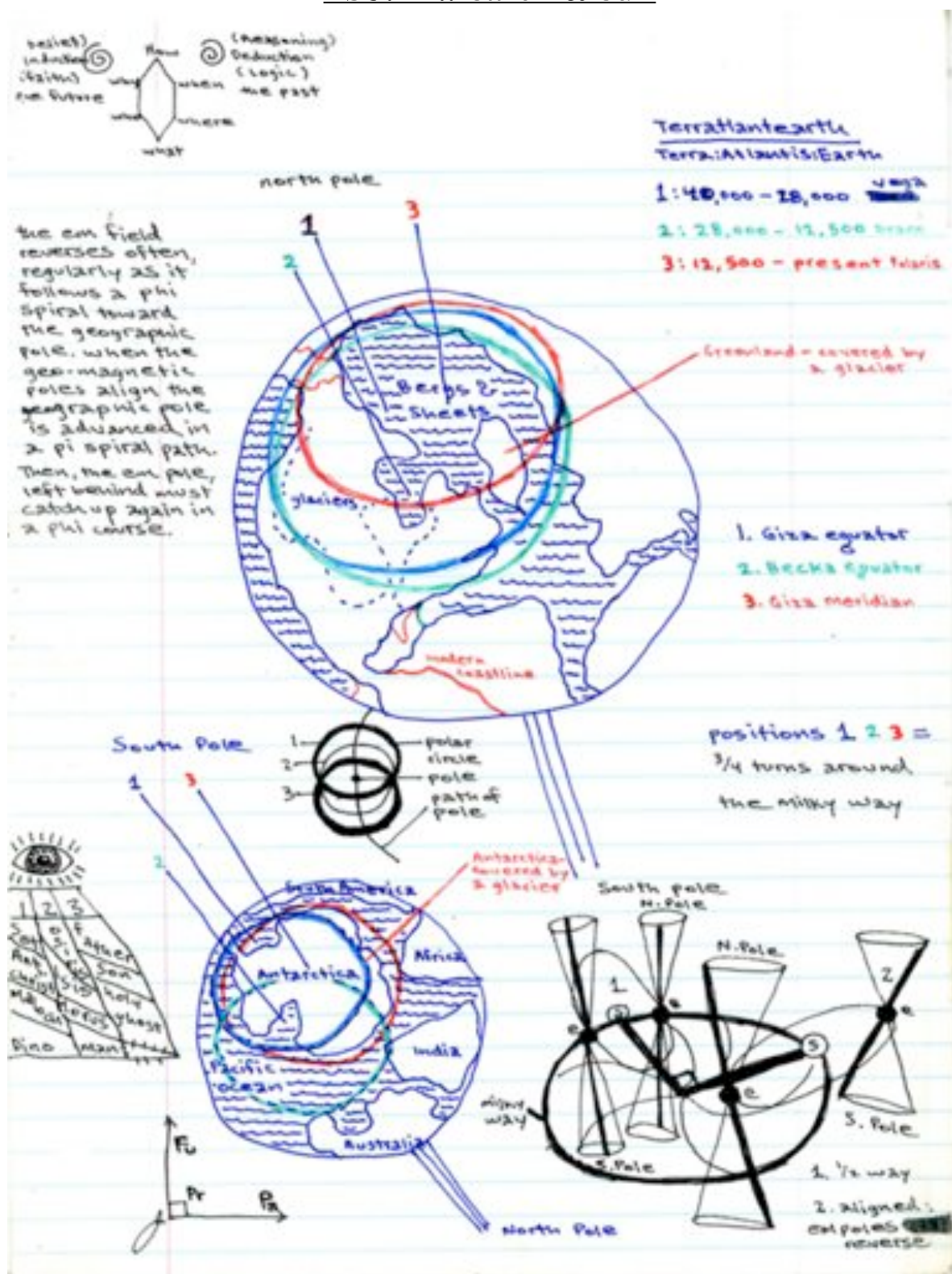
The combinations of elemental forces can be plotted on a periodic chart. The numbers in each square's lower right corners represent the degree of difference from the square below, where the lowest of each column connects to the same column's top. The attribution of letters derives from the Enochian, and the other traits are self-explanatory.

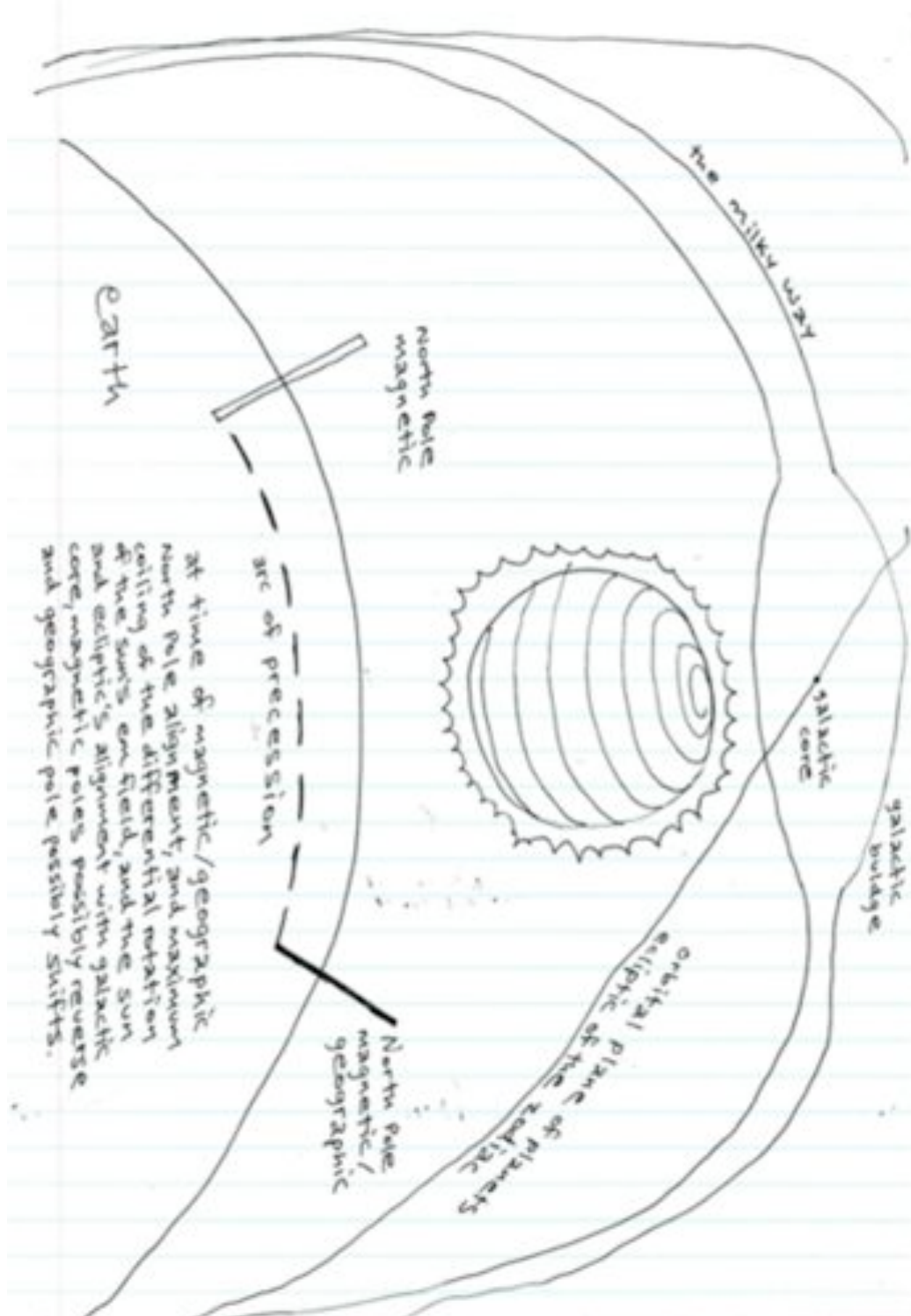
When we return to the model of chaos theory, we can further map the demi-elements onto the external (or as a median internal) cube. Here we see, by the relationship between these attributes, that the elongation at the singularity into an event horizon by the extension of duration establishes the standard diagonal measure of chaos as a fixed diagonal $\sqrt{3}$ (from corner to corner). The relationship between the demi-elemental attributes and the corner-to-corner $\sqrt{3}$ chaos factor standard diagonal is that of a Lorentz transform, to wit refer back to the first iteration of the standard graph (preceding).

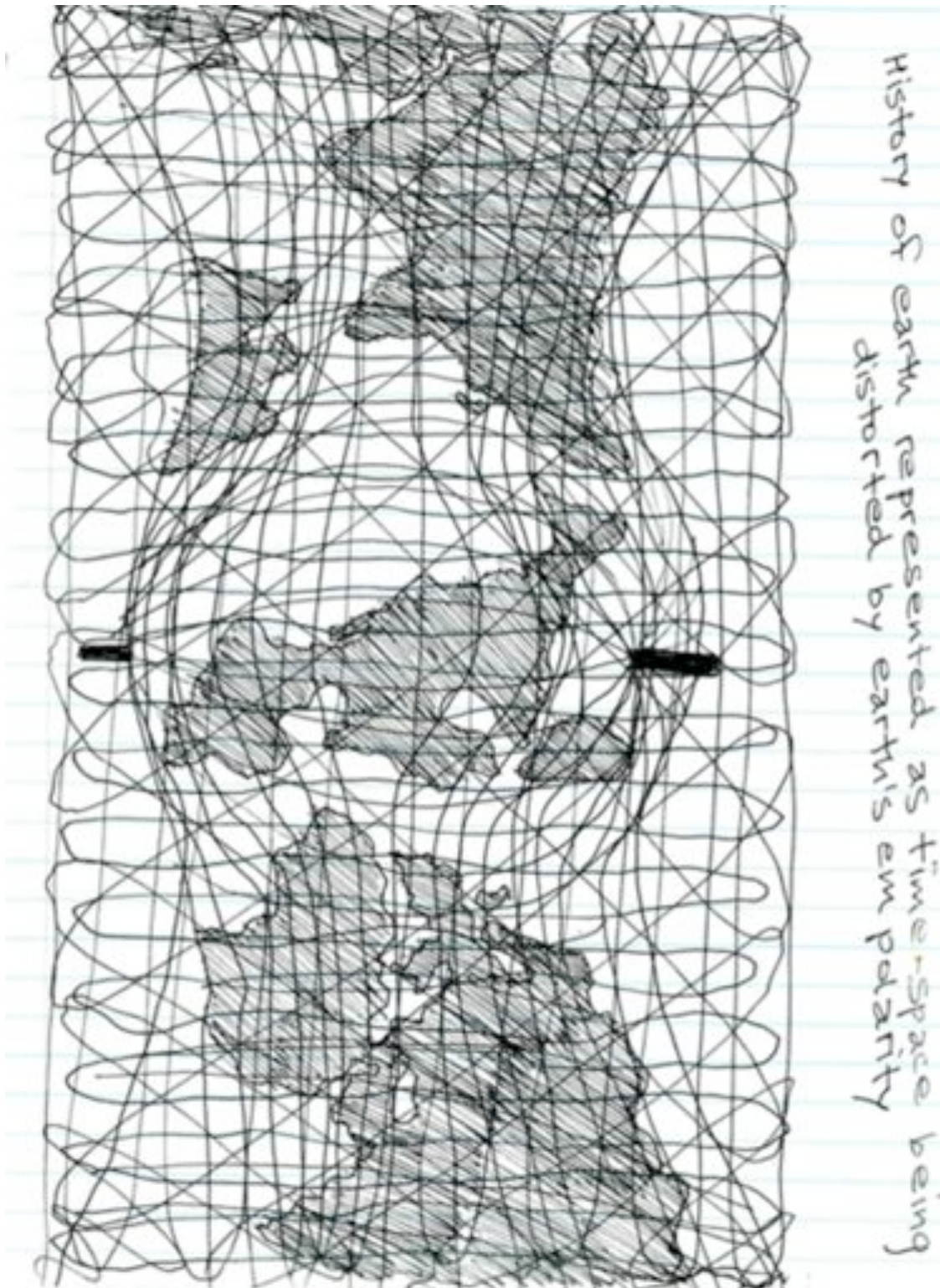


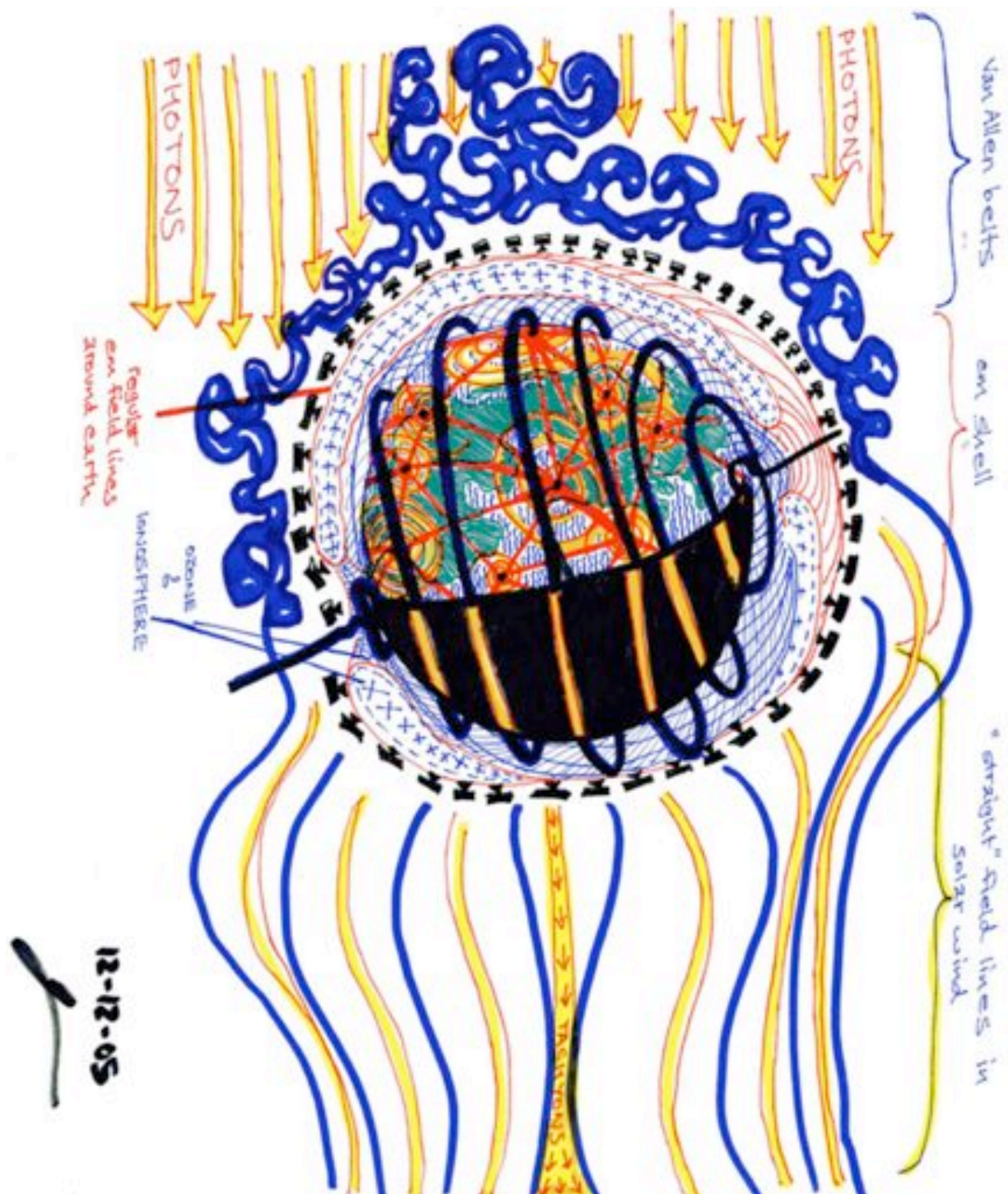


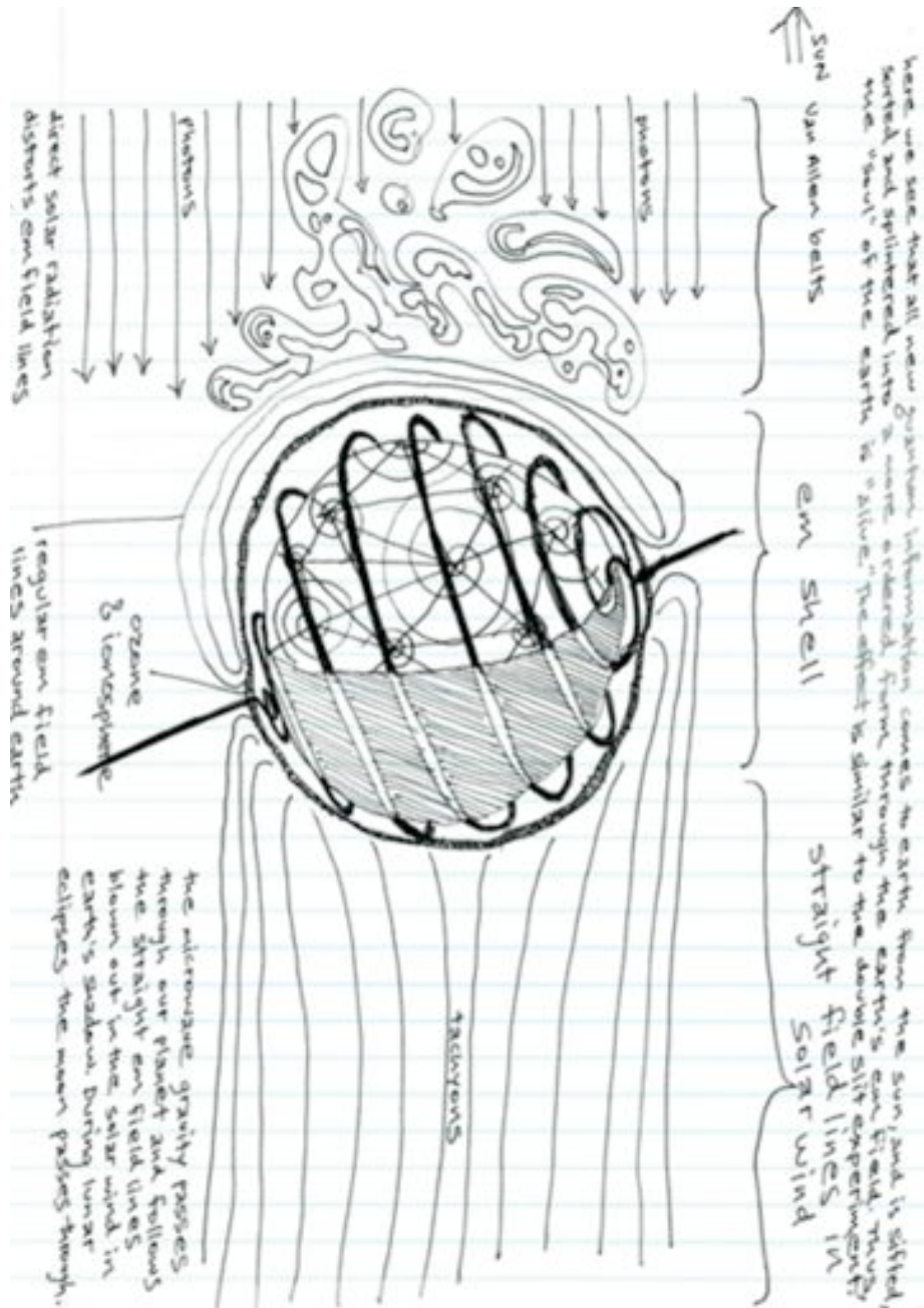
nb3.A1:: earth & sun



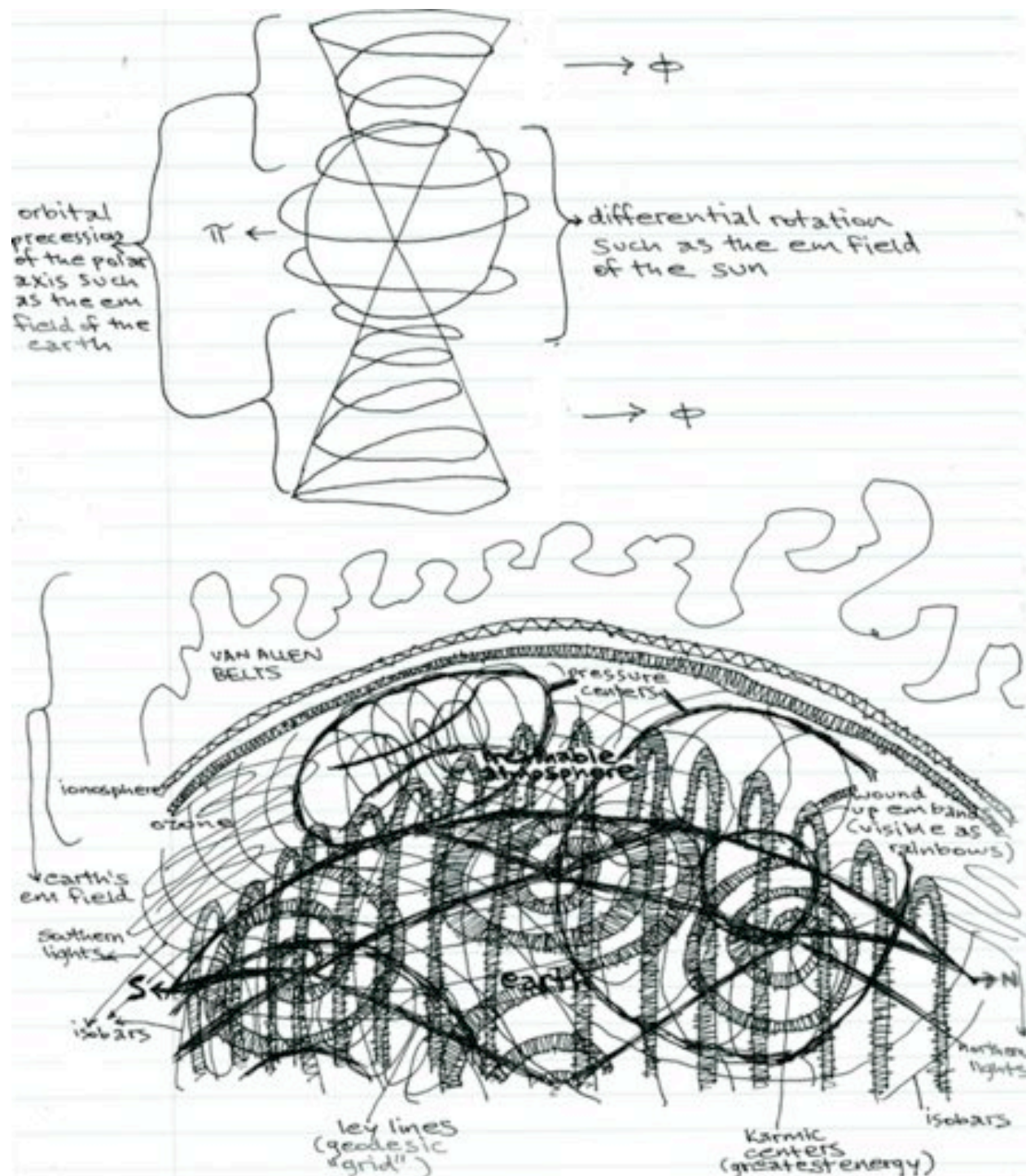


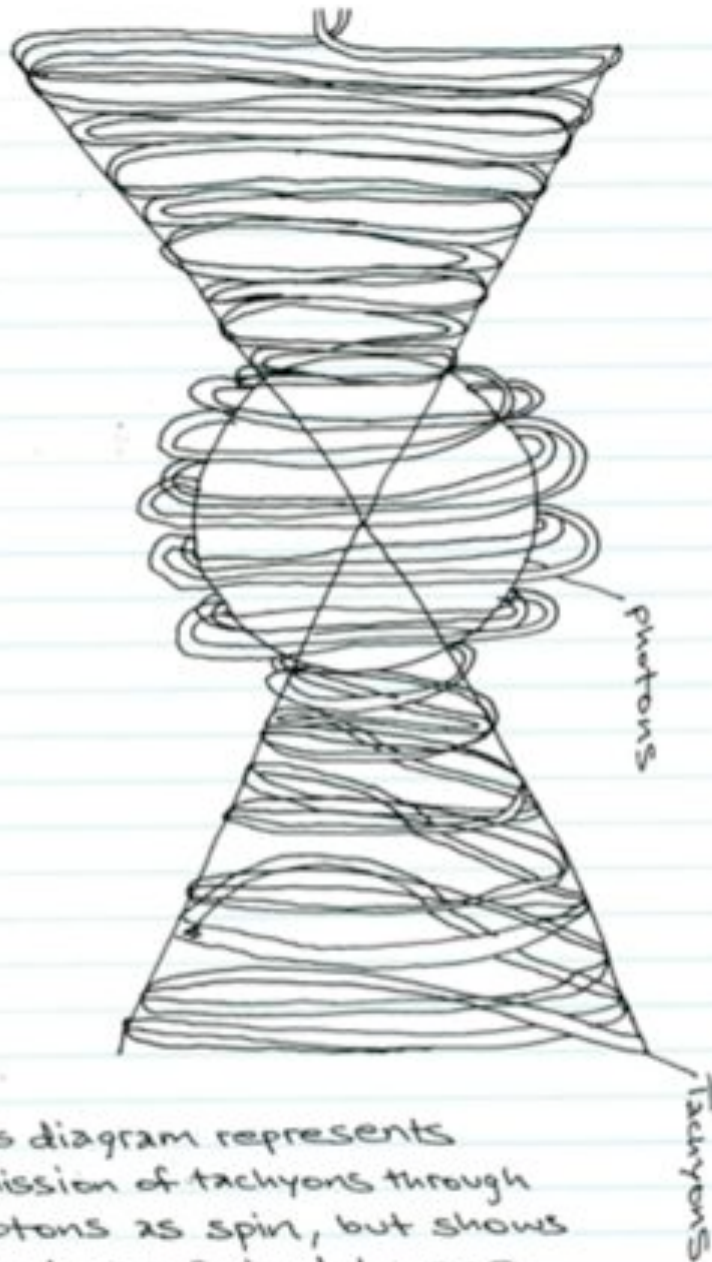




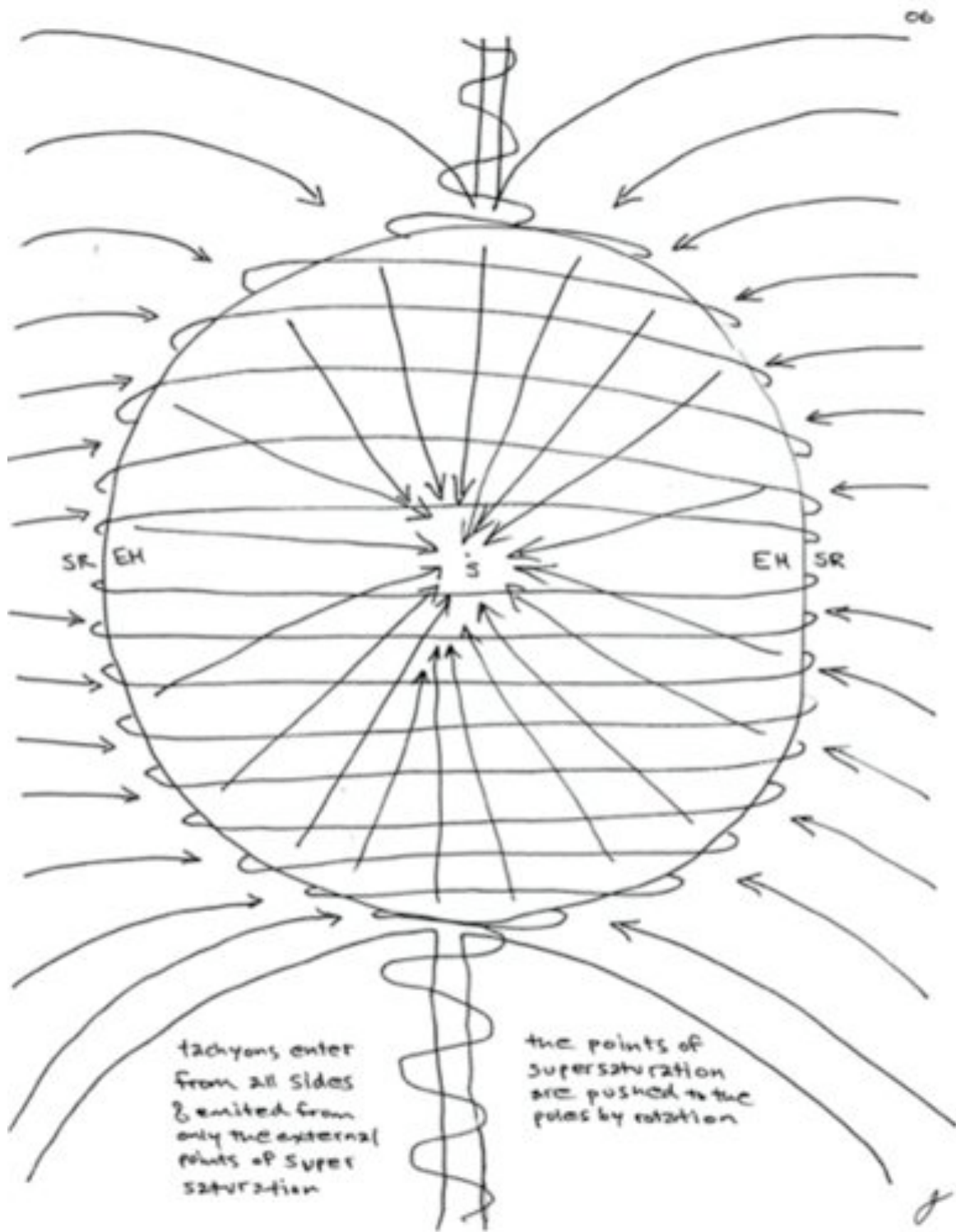


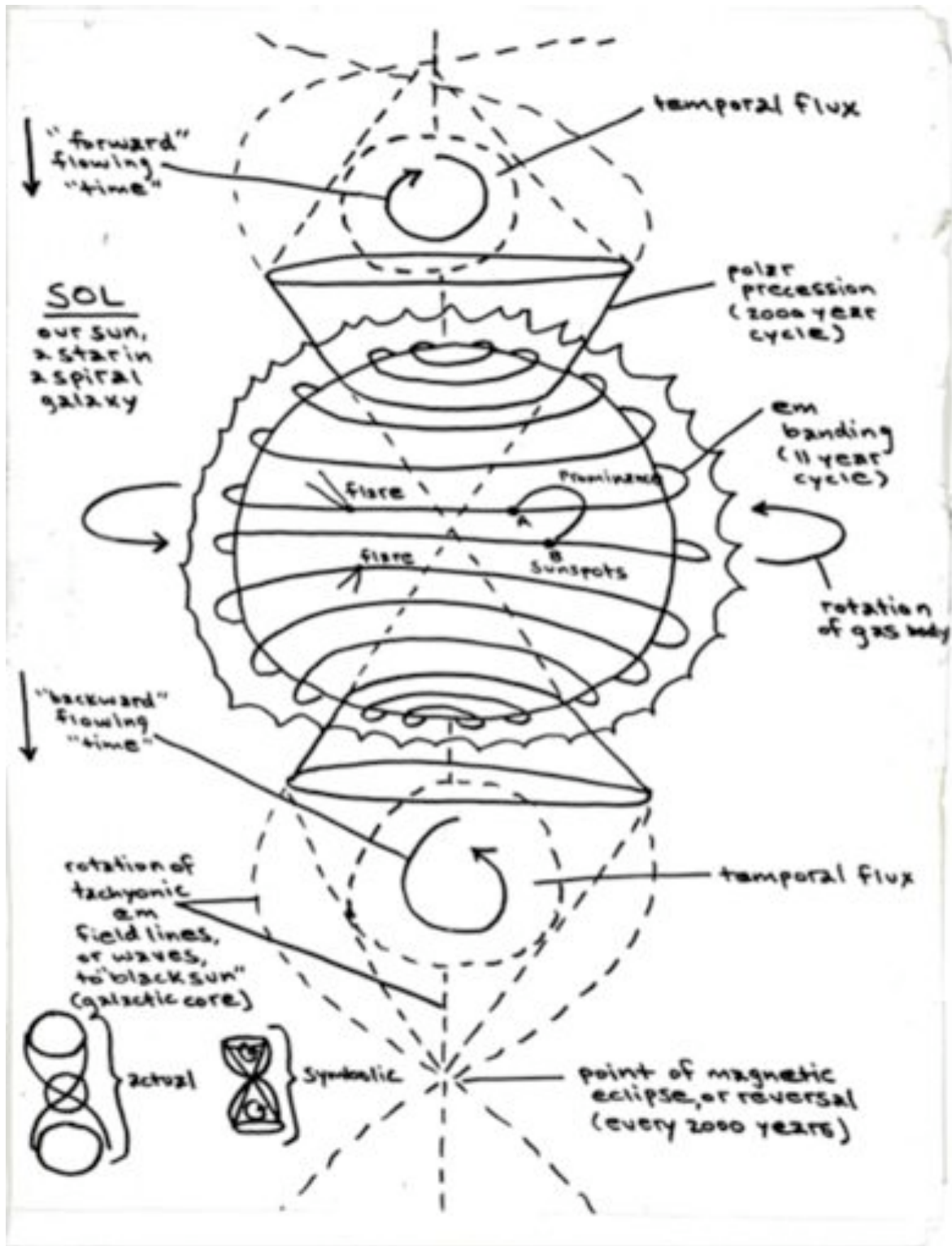


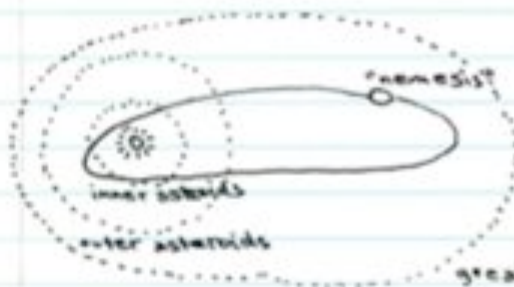
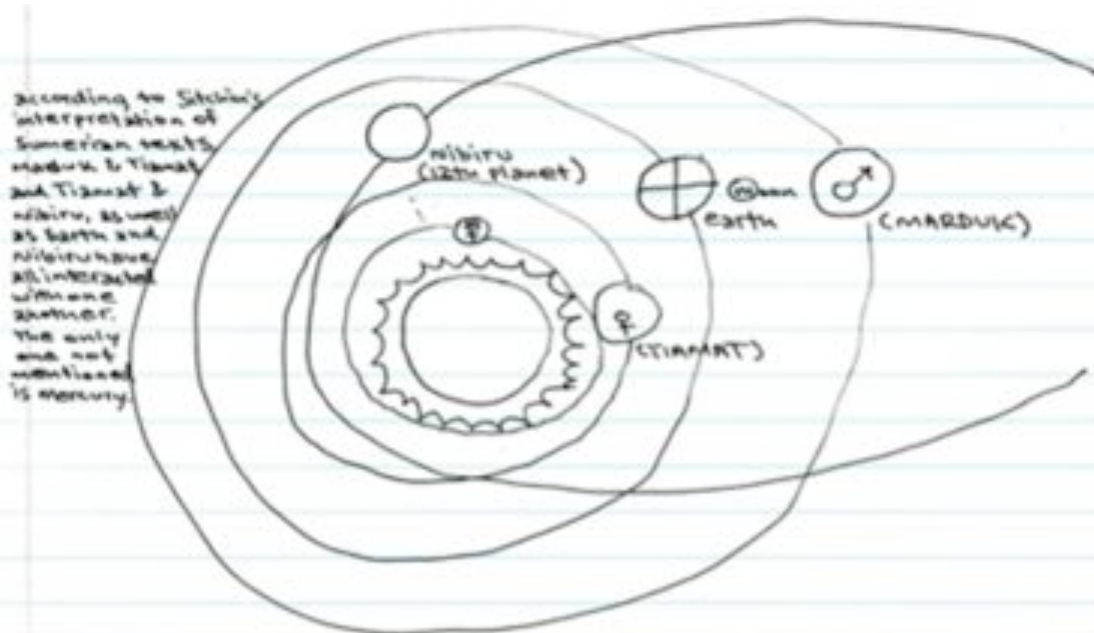




this diagram represents emission of tachyons through photons as spin, but shows only those limited to one precessing pole, and the photon does not have an electrical charge, and is therefore not confined to magnetic dipolarity. This is fifth dimensional, shown in four dimensions,



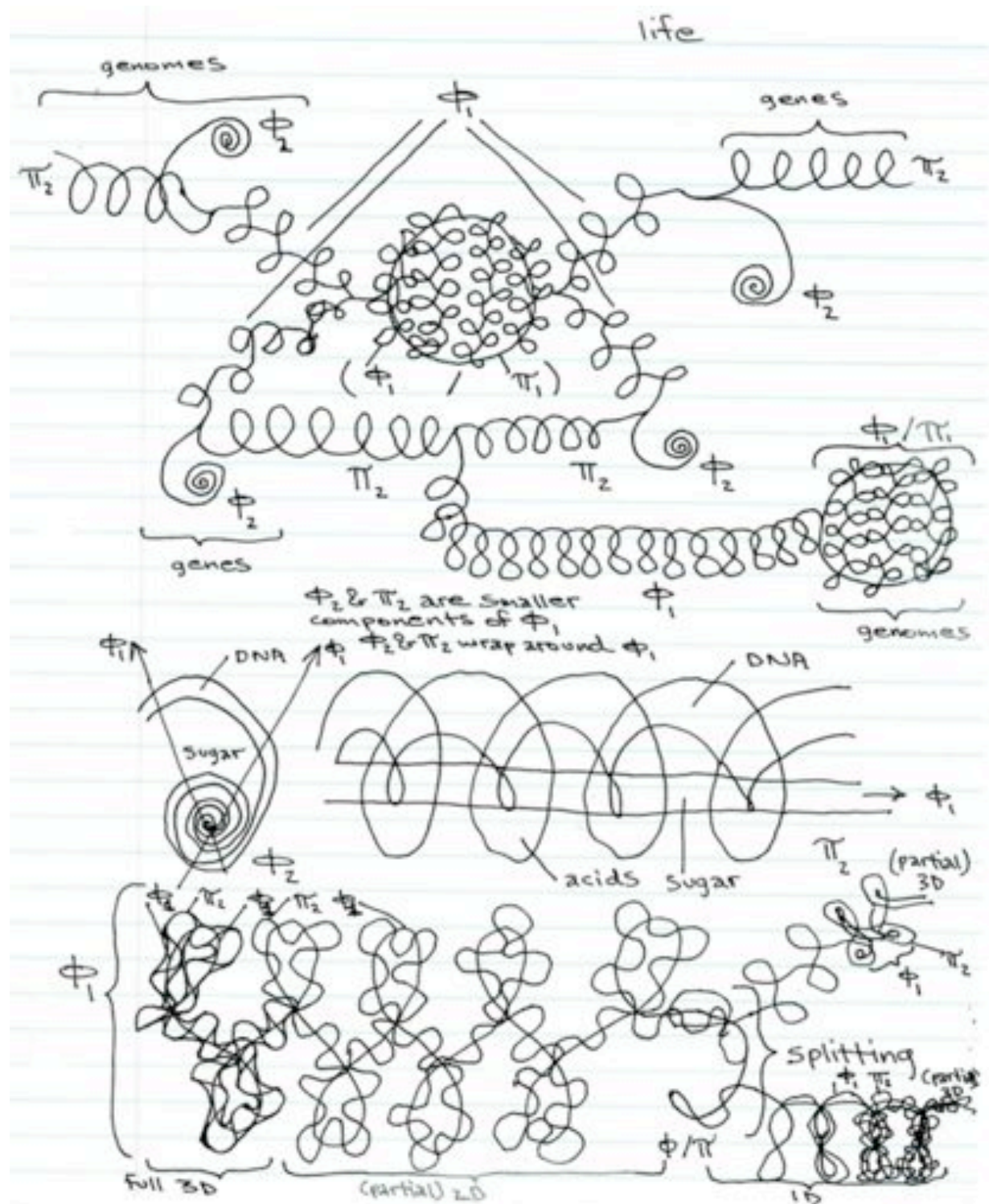




According to one theory included in modern Astronomy books there is another planet or possibly dim star whose orbit brings it into the solar system. If this were a black hole it would explain why we had not seen it, but of course we would have been swallowed up by it as well.

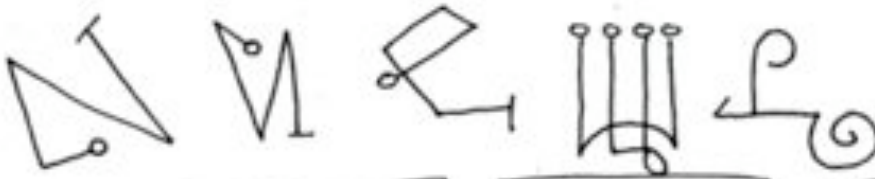
One possibility is that "nemezis" or "Nibiru" is not really any of these things, but a temporal singularity, or wormhole, that interacts with the local electromagnetic fields of the earth and sun. This is a remote possibility, since there is probably already more than enough electromagnetic activity occurring on earth due to precession and on the sun due to differential rotation, however it is still more likely than the theories of a planet or small sun, because these theories would not account for the unknown mass of the object as part of its orbital dynamics such that none of the existing theories give congruent dates to one another for their expected effects, and what is found by astronomers and physicists do not fit evenly with the predicted cyclical patterns given by the models.

nb3.A2:: math / words



5/5/03

01



$$\begin{aligned}
 &\checkmark \text{ if } E = mc^2 \\
 &\checkmark \therefore m = E/c^2 \\
 &\sim \therefore c^2 = E/m \\
 &\sim \therefore c = \sqrt{E/m} \\
 &\text{if } \lambda \cdot f = c \\
 &\checkmark \therefore E = \frac{h \cdot f}{\lambda} \\
 &\checkmark \therefore E = h \cdot f \\
 &\checkmark \therefore m = h / (f \cdot \lambda)^2 \\
 &\sim \therefore \lambda^2 \cdot f = h / m \\
 &\checkmark \therefore \lambda = \sqrt{(h/m) \cdot f} \\
 &\checkmark \therefore f = h / (m \cdot \lambda^2) \\
 &\checkmark \therefore m = \lambda^2 \cdot f \cdot h \\
 &\therefore h = m \cdot f \cdot \lambda^2 \\
 &\checkmark \therefore \lambda = c / f \\
 &\checkmark \therefore f = c / \lambda \\
 &\checkmark \therefore m = c \cdot (h / \lambda) \\
 &\checkmark \therefore m \cdot c / h = \lambda \\
 &\therefore h = m \cdot c \cdot \lambda \\
 &\text{if } (\text{period})^2 = (\text{distance})^3 \quad c = \lambda f \\
 &\therefore t^2 = R^3 \\
 &\therefore t = \sqrt{R^3} \Rightarrow t = R^2 \\
 &\therefore v = \frac{2\pi R}{t} \\
 &\therefore v = 2\pi \cdot \frac{1}{\sqrt{R}}
 \end{aligned}$$

$$\begin{aligned}
 &\therefore v = 2\pi R \\
 &\therefore v \sqrt{R} = 2\pi
 \end{aligned}$$

$$\begin{aligned}
 E &= mc^2 \\
 E &= \frac{h \cdot c}{\lambda} \\
 E &= h \cdot f
 \end{aligned}$$

$$\begin{aligned}
 m &= h / (f \cdot \lambda)^2 \\
 m &= \lambda^2 \cdot f \cdot h \\
 m &= c \cdot (h / \lambda) \\
 m &= E / c^2
 \end{aligned}$$

$$\begin{aligned}
 \lambda &= \sqrt{(h/m) \cdot f} \\
 \lambda &= c / f \\
 \lambda &= m \cdot c / h
 \end{aligned}$$

$$\begin{aligned}
 f &= h / (m \cdot \lambda^2) \\
 f &= c / \lambda
 \end{aligned}$$

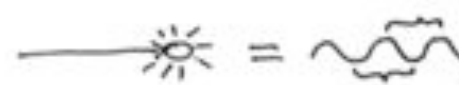
$$\begin{aligned}
 h &= m \cdot f \cdot \lambda^2 \\
 h &= m \cdot c \cdot \lambda
 \end{aligned}$$

$$\begin{aligned}
 c &= \lambda f \\
 c &= \sqrt{E/m}
 \end{aligned}$$

$$\begin{aligned}
 &\checkmark \therefore h = \lambda^2 f \\
 &\therefore h = \lambda c \\
 &(m = x) \\
 &\therefore h / \lambda = c
 \end{aligned}$$

$$\begin{aligned}
 h / \lambda &= \lambda^2 f \\
 \lambda f &= \frac{\lambda}{c} \\
 \lambda &= \frac{\lambda f}{c / \lambda}
 \end{aligned}$$

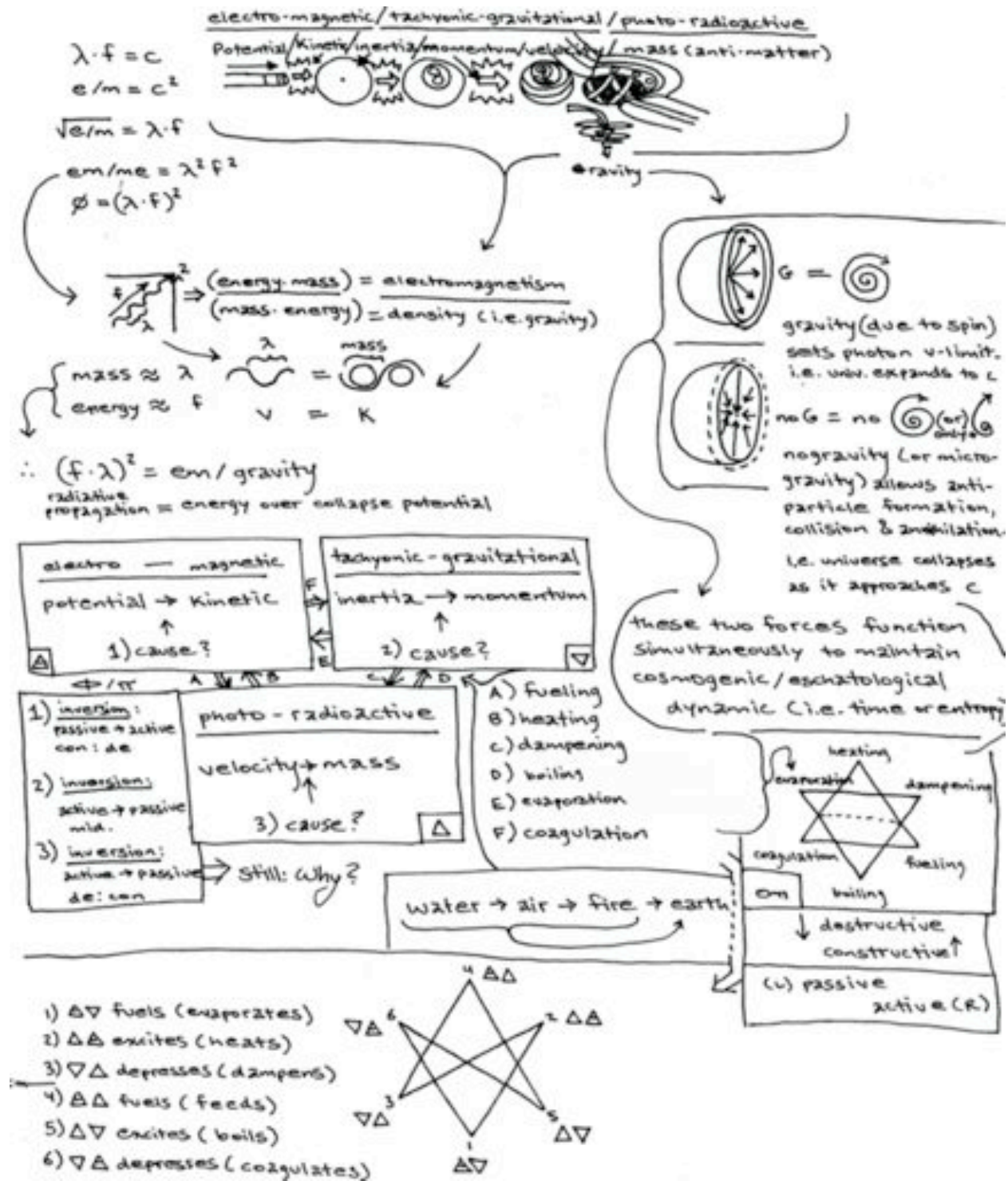
$$\begin{aligned}
 \cancel{h} / \cancel{\lambda} \cdot \cancel{\lambda}^2 &= \cancel{h} / c \cdot \cancel{\lambda} \\
 f \lambda &= c \\
 f \lambda &= \sqrt{E/m} \\
 f \lambda &= \sqrt{(h^2 / \lambda^2) / (h \cdot \lambda^2)} \\
 (f \lambda = h / \lambda) &= c \\
 \cancel{h} \lambda &= (m \cdot \cancel{\lambda}^2) / \cancel{\lambda} \\
 \lambda &= m \cdot \lambda \\
 \phi &= m
 \end{aligned}$$



the speed of a photon in a vacuum = wavelength distance x frequency speed

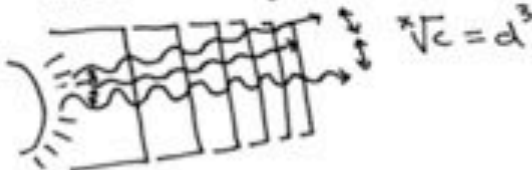
0.517 x 10²⁴ / f

f



classical
 photon has mass & velocity
 $\therefore \text{spin} = \lambda f$
 $(c^2 = E/m)$
 Squared this relationship
 inverts

• photonic light propagates by
 the inverse square law



$\therefore$ if, $c = \text{constant in space}$,
 then $d^3 = t^2$

relativistic 02
 tachyon has charge & involution
 $\therefore \text{spin} = \sqrt{-(\lambda f)}$
 operates as an imaginary photon
 $\text{tachyon}^2 = t(\lambda f)$
 so squared this relationship
 should invert
 • tachyonic light propagates by the
 inverted inverse square law

 $\therefore \text{tachyon} \lambda = t^2$
 $\therefore$ as tachyons increase time
 increases $\approx$ the expansion
 & increasing entropy of the
 universe

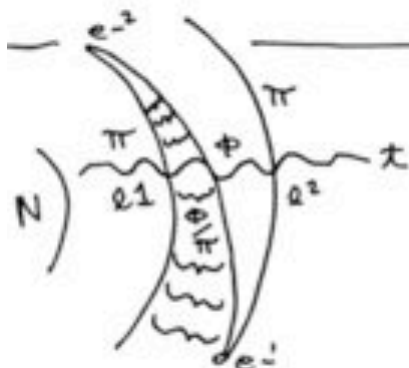
$$\Phi/\pi = \sqrt{-(\lambda f)}$$

$$\Phi/\pi \cdot \Phi/\pi = \lambda f \quad \frac{\Phi}{\pi} \cdot \frac{\Phi}{\pi}$$

$$\Phi/\pi^2 = c \quad \therefore \text{mass of tachyon} = \sqrt{c}$$

$$\text{if } \sqrt{c} = d^3 \quad \therefore = \text{"transcendental"}$$

$$\therefore \text{also } \lambda f$$



• Φ/π describes a relativistic
 relationship, rather
 than a constant;
 a dynamic rather than
 a static.

f

$\lambda \cdot f = c$

○ x2 times = ○ ○

○ /8 divided by = ○ (with 8 spokes)

~ times v = radiative potential

(space) mult. (time) = capacity for expansion

• energy can never be created or destroyed at $\leq c$ (the speed of light)

• mass can never be created or destroyed at $\geq c$ (speed of light)

ex. $\lambda = 1 \quad f = 1 \quad \therefore c = 1^2$

ex. $\lambda = 2 \quad f = 2 \quad \therefore c = 4^2$

ex. $\lambda = 3 \quad f = 3 \quad \therefore c = 9^2$

ex. $\lambda = 2 \quad f = 3 \quad \therefore c = 6^2$

ex. $\lambda = 2 \quad f = 4 \quad \therefore c = 8^2$

ex. $\lambda = 2 \quad f = 5 \quad \therefore c = 10^2$

Φ = expansion by one factor

π = square law

$\therefore$ energy propagates by square law (π) in local universe $\leq c$

$\therefore$ mass propagates by single factor (Φ) in multiverse $\geq c$

$e = mc^2 \Rightarrow$ energy (force) = mass (dimension) times max. veloc. (speed of light) in local universe (squared)

$m = c^2/e \Rightarrow$ mass (dimension) = speed of light (maximum velocity in local universe) divided by energy (force)

local universe (entropy delimits dimension)

multiverse (time delimits force)

relativity

$f \cdot \lambda = c$

$e = mc^2$

$A = 1-7$
 $B = 8$
 $C = 9$
 $\pi = 10$

$\therefore c^4/c^2 = c$

$f \cdot \lambda = c$ (inside local universe)

v (raised by) trajectory = entropy (speed) $\times$ (spin) = (space) time dilation $\cdot$ space dilation = (dimensional) dilation

$C^2 = e/m$ (border: space time / time space)

π = force (lowered by) dimension (square law) = (satva) $\div$ (samsara)

space dilation = time dilation / space dilation

time (decreased by the factor of)

$C^4 = m/e$ (multiverse)

Φ = dimension (lowered by) force (single or increased factor) = (samsara) $\div$ (satva)

time/space dilation = space dilation / time dilation



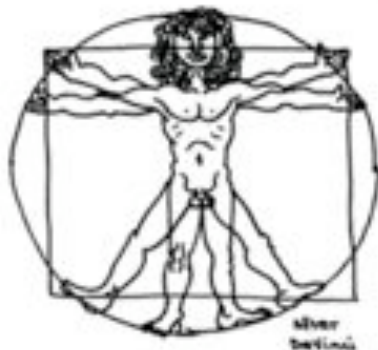
In timespace the co-ordinates of spacetime x_1, y_2, z_3, t_4 are reversed — x_4, y_3, z_2, t_1 or t_1, z_2, y_3, x_4 such that time is singular, and a fourth spatial co-ordinate exists. This stems from the assumption that time is independent of the integer given its dimensionality. Insofar, however, as time exists inside the baby universes of timespace, time does exist at all, otherwise it might just as well hold the dimensional integer zero and act as a place holder. In the baby universes, the co-ordinate system is the same as in the local spacetime continuum — except, since they have not reached "critical mass" yet & are still growing, entropy does not run back to front, causing decay. Instead of star death in them there is starbirth, so entropy, it could be said runs front to back. Thus time is its own axis, just as in the spacetime continuum, but inverted from future to past. Outside the baby universes in the timespace continuum, $t = 0$, but spin still exists, and so we say that, rather than there being no such thing as time, which is true, that time is spin in the first dimension — due to the equivalence in spacetime of inertia to gravity. Thus, it might be more proper to label the integer dimensions t_0, t_1, x_2, y_3, z_4 . Now the fourth spatial dimension appears only to govern the geometry of the spinning singularities (gravitational — black holes, temporal — worm holes, & electromagnetic — electrons), but since "tachyon" describes all faster than c particles of unknown dimension, the true "circumference" of timespace is N_c , that is $N (= > \infty)$ elements in $n (= > \infty)$ dimensions. So to review our list of dimensional integers we have: $t_0, t_1, x_2, y_3, z_4 \dots N_n$. Now the reason for calling the area inside the set of timespace a "multiverse" is twofold: 1) because it is here we find the histories of all gravitational singularities projected, whose sums are baby universes; & 2) because of the trans-infinite number of dimensional geometries possible. Another name for N_n , or N elemental forces in n -dimensions, is "pure dimension", or "pure potential". This implies, and rightly, that the potential elemental forces &/or dimensions of timespace are not necessarily superimposed, as they are in spacetime @ right angles to one another. This does not mean, either, that they are "spread out" because this still wrongly associates them with the concept of space. Just as in spacetime it is space which is tangible while time is intangible, in timespace this relationship is reversed, such that time is the more solid, real, material substance, while space is insubstantial. As I have stated, the reason for this inversion is the involuting spin of tachyons, which comprise timespace. Literally, timespace occupies the space as spacetime, as tachyons underlie photons & baby universe singularities occupy only the centermost point of black holes. However, since timespace is the other side of the quantum fabric of the spacetime continuum, it is right to diagram the multiverse as a torus outside of and containing our local universe; furthermore, this toroidal, 4th spatial dimensional shape representing the underlying inertial spin of the local universe called time solves the diagrammatical problem of the unknown geometry of the universe. Representing the local spacetime universe as a sphere and describing time as its axis are a little misleading — as the actual shape & span of our universe are unknown, and it has many axes, the black holes.

10 f

for Arthur Coby.

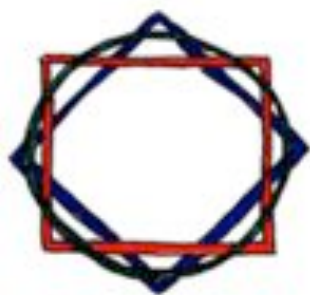
Jan 06 10-13-03

Let us say that the shape of the universe (space) is round - for such as all modern observations permit - and that the depth of dimension (time) is flat - for such is suggested by the gravitational distortion to the continuum around massive objects as well as the binary, forward-flowing arrow of entropy. Thus we can express space/time, if we like, as a flat circle. Now the measure of this circle is c , the speed of light - thus the basic unit of its radius & diameter is c . However, does this hold true for the measure of the circle's circumference or area? we know that counting numbers, which can measure the radius & diameter of a regular circle, are insufficient alone for measuring the circumference and area, and that we must - invariably - resort to the use of the irrational number π , pi, as in $2\pi r^2$, the formula for a circle's area. However, to calculate the area of space-time (notably a totally different matter than the volume of the vacuum or the velocity of expansion based thereon), we must therefore know the proximal radius - and for this measurement we use light years based on c . Now, the radius of the universe is somewhat paradoxical geometrically, because it is not terracentric any more than the solar system is geocentric. In fact, it can reasonably be argued that each black hole acts like the center point of the universe, which is, thus, multicentric (!) However the mathematics of physics has given us a simple way to bypass this dilemma: the conversion rate between matter and energy is c^2 ($E=mc^2$), or the speed of light squared. Thus, geometrically speaking, the area of the universe is the square of the circle. Ancient geometers puzzled over making a square with the same area as a circle, & the final answer is depicted in Leonardo Davinci's proportional measures of man. So what does this measure, (universal area) = ($E=mc^2$) imply for the physics of the universe?



The immediate implication, which is supported even further by the measurements of Edwin Hubble regarding expansion due to vacuum mass (previously known as the ether - now speculated as "dark" matter and energy), is that around the outer edges of the universe, space/time is actually accelerated beyond c , to at least c^2 , where matter and energy become interchangeable. It is my theory, which also accounts for the "missing mass" of "dark" matter and energy, that the most distant galaxies

have already been consumed in super-massive blackholes ("dark matter") which are projecting tachyons ("dark energy") from their polar gas jets. S. Hawking's black-hole model sufficiently accounts for the gravitational pull of matter to beyond the limit of c , as well as how quantum uncertainty allows the emission of a certain amount of energy from these black-holes, and such unidentified faster than light emission has been observed in the gas jets of black-holes.

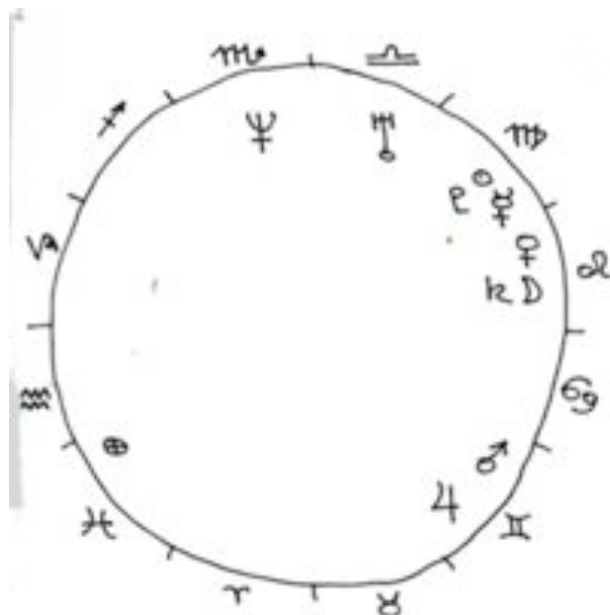


$$[E = Mc^2] = (\text{universal area} = 2\pi r^2)$$

Thus the conversion between matter and energy is not exclusively a non-local occurrence (as in: unique to the multiverse, or even only confined to the border between local, entropically delimited space/time & non-local, geometrically open time/space — i.e. between subspace and hyperdimension). This implies, rather, that the conversion between

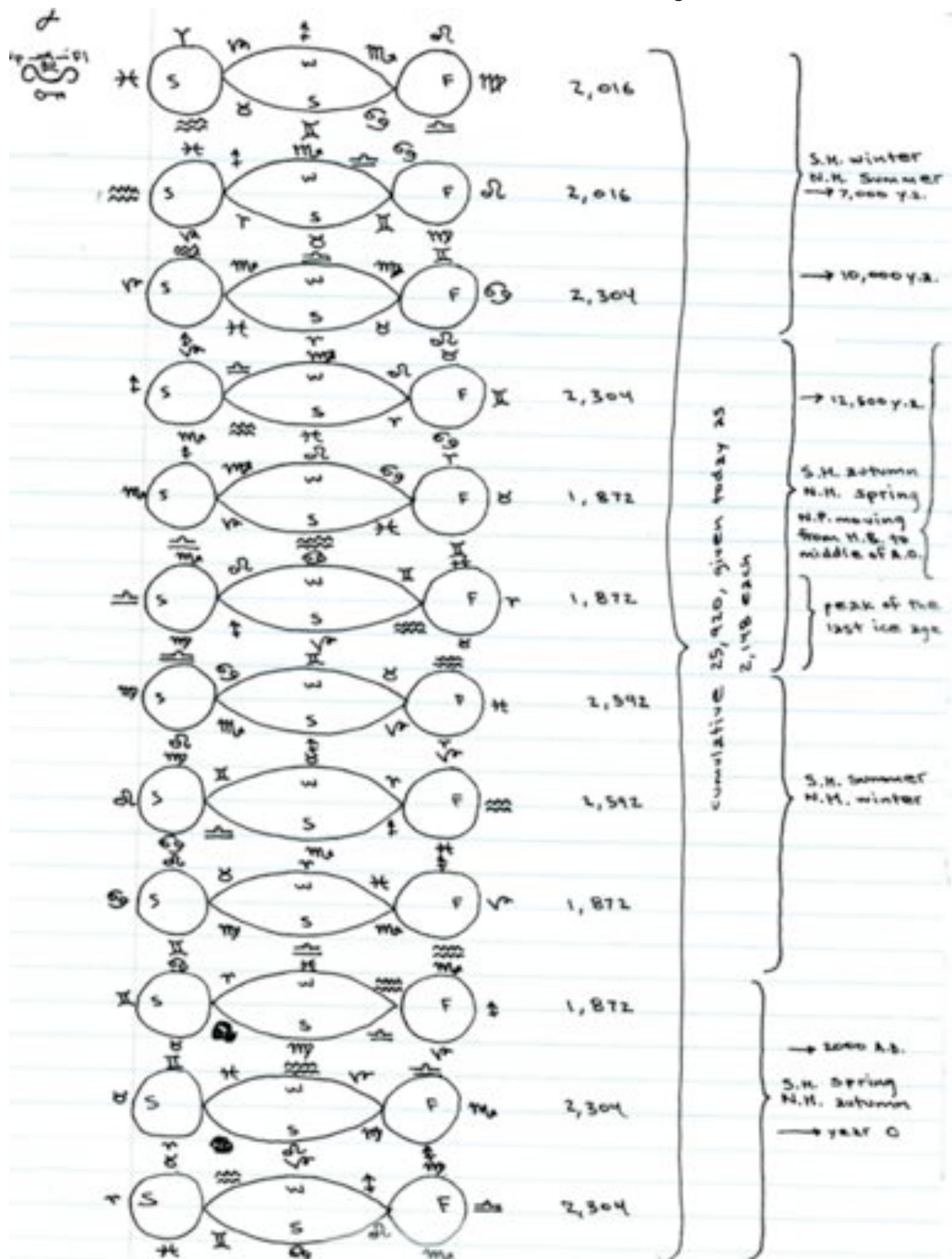
matter and energy occurs (in addition to the above listed events) inside the confines of SPACE-TIME, i.e. within the subspace continuum. Therefore C , the circle above, is sometimes C^2 , the square above. In other words, under certain conditions, $C^2 < C^1$. Now, for the sake of hypothesis, let us make these variables particular: let C = photons (which is fair most certainly in vacuum) & let C^2 = tachyons (the hypothesized ontological phenomena through which photons & electrons are spatially interchangeable). Therefore, though by definition we see that microwave tachyons are faster than photons, by geometry we can see that this is NOT always the case. Somehow, in some case (or cases), tachyons (hyper-dimension) move slower than photons (subspace).
 $C^2 > C$ = tachyons / $C^2 < C$ = super-strings

Now, to speculate how this occurs, we must examine the properties of the photon when not in vacuum. When phased through solid materials (by quantum tunnelling such as in the "double-slit" experiment) photons have been observed to move faster than they do in vacuum. Similarly, when passed through certain dense (highly gravitational) gasses, photons have been observed to slow down below their speed in vacuum. This phenomenon produces what is now commonly known as "liquid light," because the photon's particle cohesion begins to decongeal into a more purely wave-like state. Now the inversion of these traits holds true (it seems thus far) for tachyons: as particles tachyons require "solid" matter to pass through (such as the iron content of black-holes' gas jets), yet do not ADD mass to this matter, and instead (like superconductors) SUBTRACT mass — thus behaving like the opposite of a particle (be it of matter or anti-matter), in effect, like a null particle; where tachyons do (seem) to manifest mass (& much more so than any kind of radiative particle) is as a micro-wavelength history — & this gravitational vibration is what is speculated as a "super-string." Superstrings are actually vibrating so fast they appear to be moving opposite entropy, & as such "slower" than C .



Sun in Virgo
 Mercury in Virgo
 Mars in Gemini
 Earth in Pisces
 Moon in Leo
 Venus in Leo
 Saturn in Leo
 Jupiter in Gemini
 Neptune in Scorpio
 Uranus in Libra
 Pluto in Virgo

Solar strength and light virginal, pristine. magical art and mastery likewise, associated with vesta, oracles, prophecy. Victory, mastery of the art of war, anger, assertion associated with the twins, doubling, doppelgangers, possibly fraternity. Earth, malkuth, the conjunction of the four elements in Pisces, the double fish, the beginning of the rise of life again after the flood. The mystery of the new moon associated with the lion, the changing of the summer sign to fall, the mystery of the changing seasons & precession. Venus, traits of love, sympathy, associated with the lion, opposite the water carrier. Saturn, the ethereal, ephemeral and melancholy, also the bachanal, in Leo, the sphinx of Sirius, at the heel of the fool. Jupiter, regis, the rulership of olympus, the empyrean planets associated with the twins the replication, the duplication, etc. Neptune, the ruler over the fluid mechanics of entropy and gravity in the sign of the Scorpion King of Sumeria, Scorpion man of Gilgamesh. Uranus, sometimes within the orbit of Pluto, sometimes without - the travelling planet in balance, the sign of the scales, equality. Pluto, King of the underworld, trapped comet in conjunction with the sun, alpha/omega.

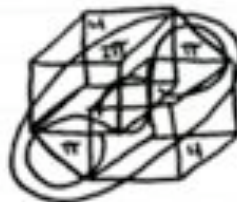
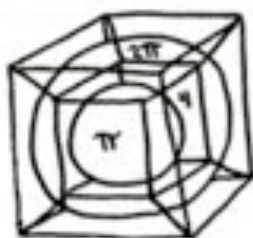
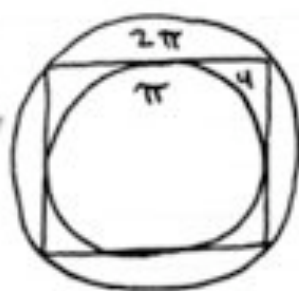


Inversion of inversion

when inversions occur actively they occur in more rapid succession. when inversions occur passively they occur in a slower sequence. the proof of this is given by the formula where the greater number of steps in an impossible feedback loop, the longer the amount of time it takes to filter through them, given a fixed measure of the properties of time; and where the fewer number of steps in an impossible feedback loop, the less time it takes to filter through them, given a standardized definition of time.

The shortest form of impossible feedback loop is one step, and it has special properties. Like all other impossible feedback loops, it is a hologram of all the other impossible feedback loops. This property has a specific name, and this name is also applied to the one step impossible feedback loop itself; thus, also, is the transition between steps in a multiple step impossible feedback loop known as inversion.

Inversion is thus the active / passive principle of its own auto-correlation. when we describe this as having been between steps over fixed, regular time in the context of a one step impossible feedback loop, it is the same as saying the inversions have occurred between sheets of neighborhoods on a manifold. Such inversions in set theory usually only represent binary spin symmetry, however in the simulacrum of the font of consciousness that is the impossible feedback loop they may be seen as verbal-visual inversions that occur faster or slower, and are of varying length.



= QBLH



sacred hepta-paraparashinockh

$$720 = 72 \times 10 = 6!$$

$$864 = 72 \times 12$$

$$1008 = 72 \times 14$$

$$1080 = 72 \times 15$$

$$1152 = 72 \times 16$$

$$1224 = 72 \times 17$$

$$1296 = 72 \times 18$$

$$1440 = 72 \times 20 = 12^2 \times 10$$

$$1512 = 72 \times 21$$

$$1584 = 72 \times 22$$

$$1728 = 72 \times 24 = 12^3$$

$$2160 = 72 \times 30$$

$$2520 = 72 \times 35$$

$$2592 = 72 \times 36$$

$$2664 = 72 \times 37$$

$$2880 = 72 \times 40$$

$$3024 = 72 \times 42$$

$$3168 = 72 \times 44$$

$$1 \times 2 \times 3 \times 4 \times 5 \times 6 = 720$$

$$8 \times 9 \times 10 = 720$$

$$720 \times 7 = 5040$$

$$720 \times 11 = 7920$$

$$5040 \times 7920 = 11!$$

$$3456 = 72 \times 48$$

$$3600 = 72 \times 50$$

$$3960 = 72 \times 55$$

$$4320 = 72 \times 60$$

$$5040 = 72 \times 70 = 7!$$

$$5184 = 72^2$$

$$5760 = 72 \times 80$$

$$6120 = 72 \times 85$$

$$6336 = 72 \times 88$$

$$7920 = 72 \times 110$$

$$10368 = 72 \times 144$$

$$20736 = 72 \times 288 = 12^4$$

$$40320 = 72 \times 560 = 8!$$

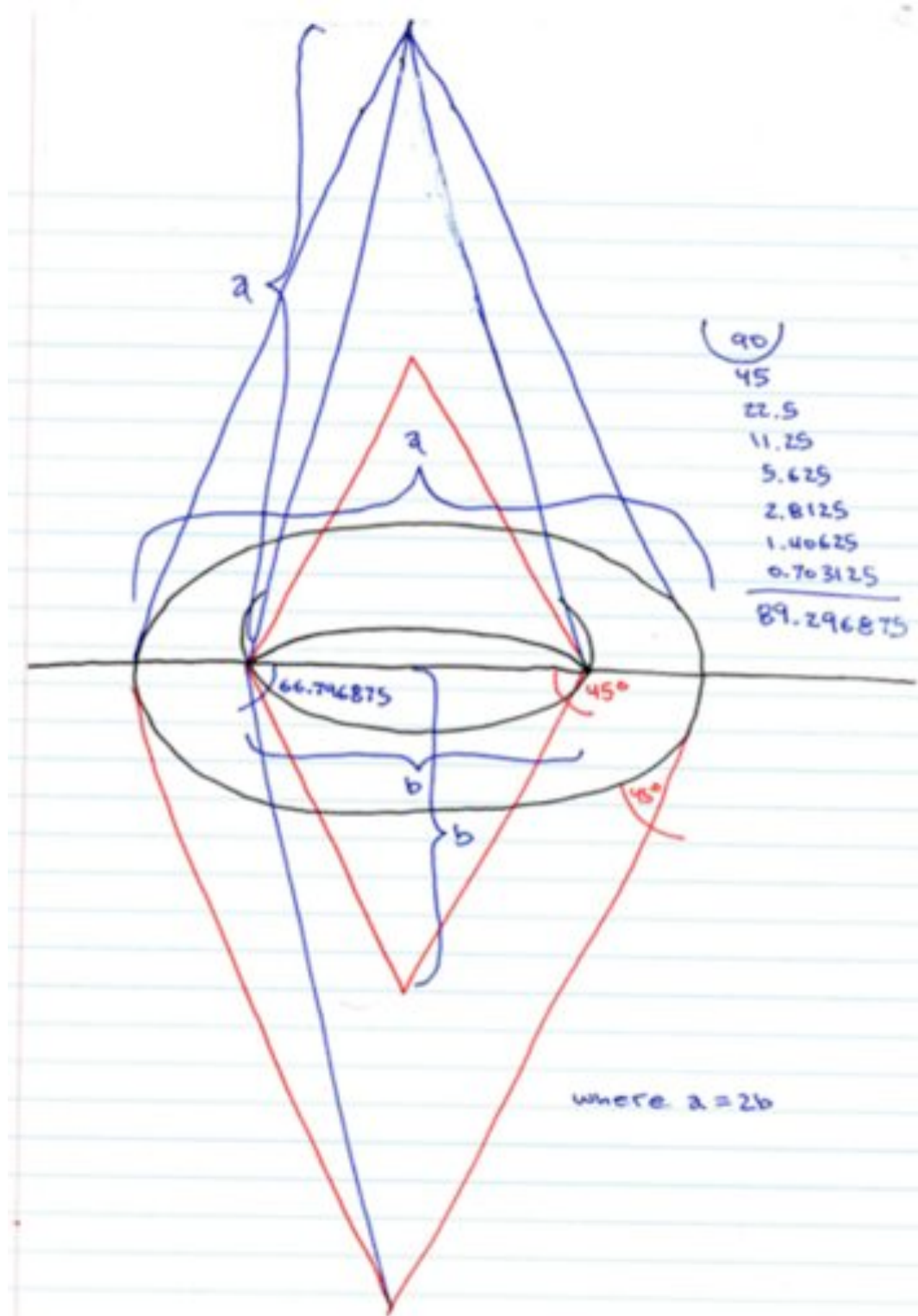
$$108864 = 72^2 \times 21$$

$$114048 = 72^2 \times 22$$

$$248832 = 72^2 \times 48 = 1!$$

$$362880 = 72 \times 5040 = 1!$$

$$39916800 = 72^2 \times 7700 = 1!$$



notebook 3

2000 - 2003

(2013 e-book edition)

by: **Jonathan Barlow Gee**www.benpadiiah.com

NB3 presents the progressive thought process of the author following the initial cosmological work in the MPDR as it unfolded over the following year(s) through a series of several dozen diagrams. This work represents an incredible amount of time and study, and may not be suitable material for the first-time reader to understand.

Jonathan Barlow Gee is widely reknowned as the author of “the Metaphysicians’ Desk Reference,” an introductory textbook on contemporary theoretical physics.

:: find out what the “critics” are saying ::

“Are you tired of books with coherent writing, factual content and proper arrangement? Are you looking for over 500 pages of the insane ramblings of a schizophrenic so high on LSD he thinks he's found God? Do you want to read a book by a man who claims to be the last High Priest because he dropped 12 tabs and watched The Blair Witch Project? Then this book is for you! Includes loads of handwritten diagrams that explain nothing and plenty of fake maths, lofty arrogant and farcical claims by the author and sentences that run on much much longer than this one ever could. Also the writing is really bad and there's a lot of spelling mistakes.”

- **Richard Hawkins**

<http://www.amazon.com/The-Metaphysicians-Desk-Reference-Metaphysics/dp/141071909X/>

“Vortex Math explicitly states that time travel is NOT possible. Your posting about time travel on vortex math official servers is drawing negative and contradictory attention to the vortex mathematics movement. We do not want readers to be given contradictory messages - so you are urged if you want to talk about time travel please do it elsewhere.

Within 48-hours, you are asked to either:

- 1) Please delete all content related to time travel from vortex math related servers.
- 2) Appeal to the other members on this group for them to support and voice their agreement to your above page.

Thanks, **Shek Singal**”

<http://vortexspace.org/>

“I have noticed your website as well as the amount of information produced in the youtube videos on the website. Although it is quite complicated to understand some of the material located on the videos, seeing as the articles of information are only expressed in youtube videos. As a recommendation I would highly advise you to provide articles on your website containing this information in extensive detail, along with adding revised videos outlining information regarding atlantean democracy, enochian language and symbolism, telepathy, the $r = 0$ domain, and how this fits in with using the enochian language system in order to create an international telepathic system.”

- **Jerome (“Raphael”) Keir**

<https://www.facebook.com/notes/modern-order-of-the-illuminated-philosophers/who-are-the-pythagorean-order-of-death/197808060342918>