Article

Quantum Coherence, Telepathic Fields, Time-travel & the Texture of Hyperdimension

Chris H. Hardy*

Abstract

The hyperdimensional Infinite Spiral Staircase Theory ("ISST theory") rests on two basic premises. The first one posits a hyperdimension layer in all matter and biomatter systems, from particles to galaxies. The second predicates that, since the hyperdimension is triune, the sub-Planckian and superluminous energy that organizes it is in essence linked to consciousness. ISST theory postulates that all psi phenomena as well as altered states of consciousness instantiate the dynamics of the hyperdimensional syg-energy. Namely, they are driven by attraction, resonance and harmony, and defy locality. This essay trys to tackle the strangest dynamics of heightened consciousness, a type of mind coherence shown in telepathic-harmonic fields, in which a group experiences a shared mind-state, and compare them with the remarkable quantum coherence in Bose–Einstein condensates ("BCEs") as well as the resonances and scale-invariance found in natural systems. These dynamics are essentially linked to a higher and more harmonic organizational order, based on wave resonance, whether the atoms' waves all getting in phase and sharing the same quantum state as in BECs, or the periodic and logarithmic recurrence of the frequency of proton at higher scales. The author argues that they instantiate the workings of the enmeshed Rhythm-hyperdimension (hypertime) and Center-hyperdimension (hyperspace). Further, the author will explore a hypothetic texture of the hyperdimension as both layered and honeycombed.

Keyword: Hyperdimension, quantum coherence, psi, telepathic field, collective consciousness, pre-spacetime, nonlocality, aliens, interdimensional, time travels.

Introduction

In a recent article (Hardy 2020), I explored how the parameters of the triune hyperdimension (HD) and the syg-energy filling it, could allow for interstellar travels at a hugely faster-than-light (FTL), in fact near instantaneous, speed. In *The Infinite Spiral Staircase Theory* (ISST), the hyperdimension is triune, a braid of *Center-Circle HD*, or hyperspace, *Syg-HD* or hyperconsciousness, and *Rhythm-Rotation HD* or hypertime – thus called CSR-HD in short (Hardy 2015).

This article will reach further and will tackle the *texture* of the hyperdimension, its inherent fabric through which darts the spinning FTL *syg-energy* (the *sygons*), because it is this

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(postulated) hyperdimensional geometry that would be the key to interdimensional travels, such as time-travels. It is my assumption that all FTL travels, especially the instantaneous ones such as translocation, are linked to, and bound by, this hypergeometry – just as our space probes and the gravitational slingshot they get from orbiting planets are calculated on the basis of the curved spacetime and the weak radio signals communication with them take the lightspeed limit C (e.g. around 4.5 hours between New Horizons when flying by Pluto, and Earth).

Furthermore, the CSR-HD is first and foremost a cosmic consciousness (that sets the creative dynamics of our individual consciousnesses and higher Selfs), and consciousness has indeed to be integrated with physics and cosmology in order to reach a unified theory that would really be 'complete' in its description of reality. Psi and the highest states of consciousness offer the kind of nonlocal processes that clearly contradict and bypass the 4D-spacetime and EM laws. Yet most psi researchers recognize that, despite their positive results proving psi, all the amount of experiments to date has not lifted the veil on the nature of psi, apart from stating that it was nonlocal and highlighting psycho-social factors enhancing psi.

ISST posits that the hyperdimensional sygons, that form our individual consciousness or syg-field, set the dynamics of our higher consciousness and thought processes, and thus of all spiritual and psi phenomena (Hardy 2015, 2017), and that only a fraction of our personal syg-field operates the junction with our brain and body. Syg-energy instantiates a connective (attractive) dynamics, based on semantic proximity, intensity and coherence. In a 2016 paper "ISS Theory: Cosmic Consciousness, Self, and Life Beyond Death in a Hyperdimensional Physics," I have argued that a person's syg-field is their hyperdimensional being, their Self (soul or atman) who precedes and survives the incarnation in the body. Being organized as complex dynamic networks of sygons, this higher consciousness operates at immensely faster-than-light speeds – thus allowing the kind of nonlocal processes involved in psi, such as remote-viewing (knowledge at a distance), precognition (knowledge of the future), and of course telepathy (connection between two minds at a spatial or temporal distance).

A whole set of data, empirical and based on anomalous perceptions during high states of consciousness – such as the collective telepathic-harmonic fields (or *Telhar fields*) – allows us to peek into the dynamics of syg-energy and the hypergeometric organization of the hyperdimension. Telhar fields instantiate a shared mind state, *a collective state of Oneness and attunement* in large groups of people, as a super-coherent collective state of their syg-fields (their consciousness). Now, *coherence* in physics happens with wave-interference, when two wave sources have a constant phase difference, and the same waveform and frequency; it describes the correlation between the parameters of a group of waves or wave packets, or else of a single wave interfering with itself (self-coherence). So that we may see a parallel with a collective state of frequency attunement and wave harmonization. Quantum coherence mostly implies large groups of symmetric particles, called bosons, such as photons. For a photon-laser (a ray of stimulated photons), its spatial coherence keeps the ray narrow over great distances, while its temporal coherence limits it to a single color frequency. What is of paramount interest for us is, firstly, a specific type of wavefunction interference and coherence that happens with Bose–Einstein condensates (BECs), considered a 5th state of matter, in which the atoms of a gas of bosons share the same quantum state; and secondly, the resonances and scale-invariance found in natural systems.

1. Bose–Einstein Condensates as a 5th State of Matter

A Bose–Einstein condensate (BEC) is a 5th state of matter formed when a gas of bosons at low densities is cooled to temperatures very close to absolute zero (-273.15°C , -459° F.). Under such conditions, a large fraction of bosons occupy the lowest quantum state, at which point quantum phenomena, particularly wavefunction interference, become apparent macroscopically. This state was first predicted, generally, in 1924–1925 by Albert Einstein, following a paper written by Satyendra Nath Bose, although Bose came up with the pioneering paper on the new statistics. Bosons – which have integer spin and include photons and helium-4 atoms – are allowed to share a quantum state. The BEC was deemed the mechanism underlying superfluidity in helium-4 (^{4}He) and superconductivity by Fritz London in 1938. Then in 1995, Eric Cornell and Carl Wieman (University of Colorado at Boulder NIST–JILA lab) produced the first BEC in a gas of rubidium atoms. And soon after, Wolfgang Ketterle at MIT realized a BEC in a gas of sodium atoms. Cornell, Wieman, and Ketterle received the 2001 Nobel Prize in Physics. Since 1995, BECs have also been realized using molecules, quasi-particles, and photons.

Then in 2007, *IEEE Spectrum*, in an article called "First Matter-Antimatter Molecule Created," reports that "two physicists from the University of California at Riverside [David Cassidy and Allen Mills] have pulled off a seemingly impossible feat: creating molecules of equal parts matter and antimatter (that had been theorized by John Wheeler in 1946). These long-sought dipositronium molecules don't look like normal molecules – they each have two electrons and two of their antimatter counterparts, positrons, that swirl around each other in a quantum mechanical dance."[1] After they annihilate in a flash of gamma rays within a quarter of a nanosecond, "the dipositronium molecules leave behind spin-polarized positronium atoms that can be cooled to form a *Bose-Einstein condensate* – what Cassidy describes as a superatom, where all the atoms share the same quantum mechanical state. (…) Annihilating a positronium Bose-Einstein condensate would produce coherent gamma rays, the first step toward a [gamma-ray] laser beam." (See Fig. 1.)

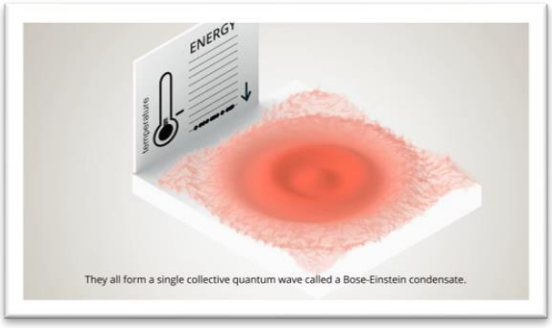


Fig. 1. Bose–Einstein condensation versus temperature of the energy diagram. Credit: en.wikipedia.org/Bose-Einstein condensate.

Then in 2016, a new breakthrough was achieved by Ketterle at MIT, with his student Wiliam

[1] David Cassidy and Allen Mills report their discovery in the 13 September issue of *Nature*. The positrons that are not annihilated are those paired with electrons of the same spin. Two positronium atoms with opposite spin can combine to form dipositronium. See https://spectrum.ieee.org/aerospace/astrophysics/first-matterantimatter-molecule-created.

Burton, in the research on *atom interferometry* (for measuring gravitational forces and inertial forces such as acceleration and rotation) using Bose-Einstein condensates.[2] "A common approach to building a Bose-Einstein condensate interferometer involves suspending a cloud of atoms – the condensate – in a chamber and then firing a laser beam into it to produce a "standing wave. (…) The standing wave divides the condensate into approximately *equal-sized clusters of atoms*, each its own condensate." In the MIT researchers' experiment, for instance, the standing wave divides about 20,000 rubidium atoms into 10 groups of about 2,000, each suspended in a "well" between two zero points of the standing wave." The article states "To do atom interferometry, the clusters of atoms trapped by the laser must all be in phase, meaning that the troughs and crests of their waves are aligned." Then the researchers used two condensates, trapped with a laser, and also subjected them to a magnetic field (to which only the spin-down atoms reacted) and now they produced the exact same number of atoms in every well and an extended duration of the BEC.

So what we have here – in the BEC trapped by a laser beam and within a magnetic field – is what could be described as a circular honeycombed field of coherent spin-polarized atoms along the mountainous standing wave, creating one superatom – something that could look like a 3D-curved landscape checkerboard, or rather the image created for the MIT article (see fig. 2).

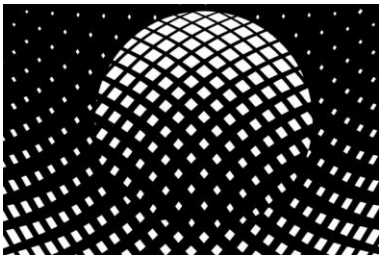


Fig. 2*. Artist impression of an atom interferometry experiment, for* L. Hardesty's article, MIT News Office 12/27/2016

Now, let's remember the above-mentioned Cassidy and Mills 2007 experiment on dipositronium molecules in which 2 positrons (the antiparticles of electrons) swirl around 2 electrons; and add that Dirac theorized that the ("Dirac") sea of negative energy – separated from the positive energy of the matter era particles by a membrane (the vacuum) was made of all antiparticles (such as positrons). Now we may have an inkling on how the negative energy HD sygons at the core of particles could be involved in this choregraphed collective dance. If, as ISST posits, spinning sygons constitute the compact 5th D at the core of all particles, and given they interact by resonance and sympathy (i.e. attraction), they could be the foundational dynamic allowing/creating super-harmonic coherent systems at different higher scales – whether the Bose–Einstein condensates at the atomic and molecular scale, or the telepathic-harmonic fields (or *Telhar fields*) creating a collective attunement of minds and personal syg-fields. So let's focus on the latter after a last remark: physicists see in these BEC states an evidence of weird quantum behaviors (normally reserved to the quantum particle level, such as superconductivity), happening at a much higher scale. And indeed, in the early experiments the BECs presented a type of quantum coherence only found at temperatures near the absolute zero, whereas in the

[2] Article by Larry Hardesty, MIT News Office December 27, 2016. http://news.mit.edu/2016/technique-could-yield-hyperprecise-gravitational-measurements-1227

latest experiments, they are now appearing at room temperature! With Telhar fields, we are going to discover another type of collective coherence state happening this time within the minds of a large number of people – or more precisely, as a super-coherent collective state of their syg-fields (their consciousness).

2. Integrating Experiental Psi and Syg-energy Data

2.1. Enigmatic syg-energy dynamic structures in Telhar fields

Now let me get in an intuitive and visionary mindset, to try to connect this research on quantum coherence with some ancient psi experiences of mine (described and analyzed in the 2011 book *The Sacred Network* in a psychological anthropology framework as psycho-spiritual experiences) and understand them in a HD physics framework, since the purpose of ISS theory is to integrate HD physics with extraordinary mental processes such as psi and collective fields of consciousness.

Let me first define a syg-field as a network of constellations that intantiates all the processes and organization of a person's mind, body, and psyche (their whole consciousness), as their hyperdimensional Self. Syg-fields are hyperdimensional and they are steered and organized by syg-energy, that is, consciousness-as-energy (Hardy 1998).

Now, in *Telhar fields* (telepathic-harmonic fields), people (assembled as a group) experience a shared mind state that expresses a deep attunement and harmonization, a synchronization, of their syg-fields. In *The Sacred Network*, I've recounted many personal experiences involving Telhar fields in different cultures, during my extensive travels in Asia and Africa. Let me stress that these Telhar fields are not just psychological experiences (as a shared subjectivity like sexual attraction or fusional love), but are rather a type of syg-fields (fields of consciousness-as-energy); they are constituted of what I called at the time 'an energy of consciousness, *syg-energy*, of an unknown nature, but operating beyond spacetime.' While formulating ISST, it became clear that syg-energy and the fields it created (syg-fields or Telhar fields) belonged to the hyperdimension, and that it was the very consciousness-as-energy filling the cosmos at the HD level. And the fact they were unknown types of fields, beyond spacetime, was revealed by their dynamic self-organization, and their anomalous interaction with the 4D material environment.

Thus, I've witnessed on many occasions that these collective Telhar-fields present specific boundaries in space (mostly of a spherical or hemispherical nature flat at ground level), and an energetic structure and organization, such as rotation, tori, an enclosing bubble, etc. Given their boundary in space, we can infer that syg-fields interact, or intersect with, or are superposed to, EM fields and the 3D of space + 1D of time of the material universe, and can even influence or modify some of their features. Yet they are not bound by the laws of EM fields:

- Telhar-fields cross through matter as if it was not there; the person who acts as the node (or center) of the field can be sitting anywhere in the room;
- Yet, they show a clear (and stable) boundary in 4D space;

- Two vastly distant Telhar fields can merge and create a single field – thus annulling space.
- All minds within the quasi-spatial field get in the state and get attuned to it.

2.2. Translocation of consciousness via a funnel in the Brazil Telhar field

In the Brazil experience, the translocation of consciousness happened between two distant yet resonant or harmonic Telhar fields – both implying a large group of people attuned to the same Rhythm parameters, namely *Goa-Trance* music and dancing. The translocation of consciousness uses a sink in the form of a *funnel* (*Sacred Network*, 272-76). At first, in Brazil, after a Samba drumming feast and in the midst of a large crowd dancing to loud speakers blasting Goa-Trance music, two people who hardly knew each other (A & B) were sitting by chance on benches set on opposite sides of a lane, at about 3-4 yards distance, while being attuned to this same music. Their two minds get spontaneously synchronized and fused through a straight ray or *rod* of syg-energy that connects their two forehead chakras. Simultaneously with the rod perception, A sees, at the precise middle point of this rod, a near-vertical *funnel-shape structure* in which her consciousness (A's syg-field) is pulled as in a sink at blinding speed, only to emerge at another location (Goa) where another crowd was dancing on this same type of music and was also harmonized through a Telhar field (see fig. 3, from *The Sacred Network*, 274).

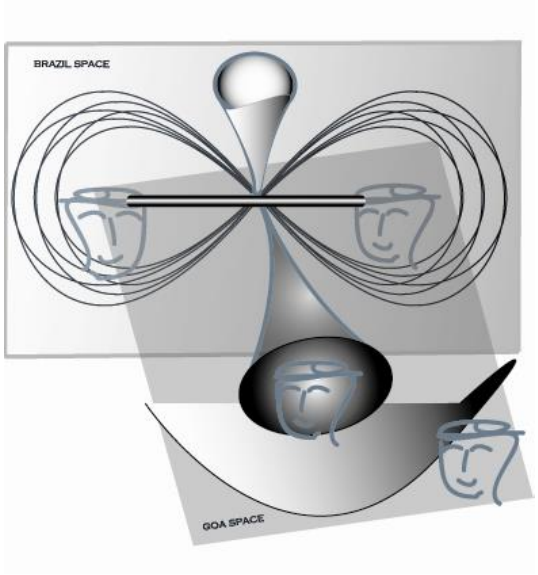


Fig. 3. Rod and funnel in a Telhar field in Brazil. From The Sacred Network, 274. Digital artwork by Chris H. Hardy.

After a good 10-15 minutes dancing with the crowd there in the Goa party (sensing and perceiving other people dancing around as well as one's own syg-energy body or astral body), the consciousness of A (and syg-energy body) is suddenly brought back to the first location, this time without any perception of, or pulling into, a funnel. Then after another 15-20 minutes, the rod and funnel appear again. The whole sequence is repeated about three or four times. Of note is

the fact that this funnel-shape, which was acting as a macro-sink and was about 25 centimeters tall, is a similar sink structure as a black hole (BH). Based on this, I foresee that the X-funnel at the origin (the BlackHole-WhiteHole Kerr structure, in the shape of a hourglass, from which the golden spiral of the origin sprang forth) is a fundamental dynamics of transition, at Planck scale, between the QuantumSpaceTime (QST) region and the Hyperdimension (and vice-versa). This is the reason why, despite the fact that only the top funnel was perceived by A, there must have been a complementary downward funnel opening on the Goa spacetime frame (which I drew on the drawing).

Consequently, loads of subquantum black holes should be found that would act as gates connecting to the HD, their event-horizon opening at Planck scale; they would appear as holes or networks of loops in the vacuum (as theorized by Dirac, Jack Sarfatti 2006, and Lee Smolin 1997). There should at least be as many whirling BH-funnels as the number of particles in the universe, because the individual ISSs in particles (their *compact* 5^{th} dimension at a sub-quantum scale) are such BH-WH two-way gates between the HD and the QST region, and they are continually exchanging syg-information with the Cosmic ISS, thus updating the Akashic records of all systems in the universe.

Now, let me explain the profound link existing between the human syg-fields and the energy-body, and its energy-centers called Chakras – which are well analyzed in all Eastern treatises on yoga, meditation, and medicine.

Syg-energy (consciousness-as-energy) is found as cosmic consciousness (with the sygons and the ISS at the origin), as forming the individual syg-fields of people, as the hyperdimensional consciousness of all beings and systems (their syg-fields or eco-fields). It is also the energy filling the energy-body – the Ki or Chi of Eastern medicine – and specifically the chakras. All participants in an ambient Telhar field have their own energy-body and chakras stimulated, and the chakras of the person in the role of the node are the seed of this Telhar field itself.

Syg-energy uses, as a dynamic configuration, mostly the form of a torus (a doughnut shape) rotating at a blinding velocity, (1) above and around the crown chakra (at the tip of the head) of a person meditating and reaching a samadhi or fusion state (thus activating the Center-Circle-HD, with the chakra as Center and the torus as Circle); (2) in the *Manali Telhar field*, as a torus rotating at high velocity between the crown chakras of four people meditating while sitting in a circle, the Telhar field thus created being spontaneously enclosed in a large syg-energy sphere appearing as a shining transparent bubble totally surrounding the four people (*Sacred Network*, 65-68).

- *Chakra* in Sanskrit means a wheel, or lotus, thus referring to both their complex base-2 symmetric geometry and to their rotating dynamics. High meditation states like samadhis or fusion-states present structures of spherical and/or rotating syg-energy, such as the torus rotating around and above the crown chakra, or else, feeling/seeing the heart chakra activated as a (near-flat) wheel turning at high velocity above the solar plexus. In terms of spherical structures, we have also the spherical or ovoid (syg-energy) aura surrounding the body (partly created by the chakras), and the extra-large hemispherical structures enclosing groups of people within a Telhar field.

- The connection of one person to other minds, or to an energy source resonating in a sacred object, can take the form of *straight coherent rays or rods* (similar in shape to lasers, but constituted of HD sygons instead of photons). Let's note that only the family of bosons (such as photons, gluons) show both symmetry and the capacity to superorganize themselves in coherent structures as do the photons in laser rays. Whereas the antisymmetric particles (or fermions) are the ones involved in the entanglement.

In brief, we need much more than just modeling a HD of consciousness in a cosmological framework if we want to explain psi and spiritual states, the collective unconscious, and the reality of one's own Self in the HD as a living presence (as I've argued in a 2017 paper and in the book *Living Souls in the Spirit Dimension*); what we need is to integrate the anomalous syg-energy processes revealed by the workings of psi and our HD-Self, and this is what I'm exploring here.

2.2. How can we fathom such human-level structures happening in the HD? What does it tell us about the HD of consciousness?

First, let me summarize the main HD structures linked to high states of consciousness (and please bear with me regarding redundancies):

a. *Link with Center-HD*. Syg-fields seem to maintain the linear experiential time (as far as Telhar fields are concerned), and yet to have a meta-spatial field that takes the configuration of Center-Circle (the node and the group harmonized in a syg-energy half-sphere). Thus they imply or instantiate Center-Circle HD, ISST's hyperspace, as well as a hyperconsciouness.
b. *Rods, Funnels, tori, and spherical boundary*. Sometimes, two minds synchronized via a *straight rod* of sygons (between their heads or forehead chakras) can create a very large Telhar field on a group that encompasses them (Goa beach experience, *Sacred Network* 267-72). But, as we saw, they can also create a *X-funnel* between them that connects to another distant Telhar-field (with its structure). The *torus* of sygons between 4 head chakras creates a large *spherical enclosing bubble* inside which the four people experience a shared one-mind state (a 4-person Telhar field).
c. *Perception of color quantas.* The deep HD structure of reality (at least at the photon level or brane) can appear superposed to 4D-reality (e.g. a tree in a park) as a cloud of hexagons, each bearing an infinitesimal shade of the color transition between the blue sky and the foliage of the tree; each hexagon being delineated by a straight energy line made of all the spectrum colors, like a straight rainbow; this instantiating a perception of hexagonal color quantas (MDA experience).
d. In Telhar fields implying large groups of people, the consciousness frequencies of all people (their synthetic thought as sygons) are perfectly attuned, harmonized, in resonance, to the point of constituting a shared mind state, *a collective state of Oneness*.

2.3. Telhar fields as a higher syg-organization in the HD resembling Bose–Einstein condensates

Let's reflect a bit more on what type of organization in the HD syg-energy fields could be the

foundation of such Telhar fields that instantiate a shared mind state, *a collective state of Oneness* in large groups of people.

In terms of the sygons fields of their individual consciousnesses – and given that the circle-boundary and hemispheric bubble surrounding the whole group is assessed by many observations – one has to assume a *global field of syg-energy* presenting a higher coherency, stronger energy intensity, much higher frequencies, and constituting a radically different organizational state of individual minds – namely a collective coherence that can be achieved spontaneously. (This would show that the customs of collective dancing on drums music, as found in many ancient cultures and as revived in large trance-dancing festivals, were a live spontaneous experience of a higher integration state of collective consciousness.) This collective and *global field of syg-energy* could be a spontaneous meta-ordering or frequency attunement of individual "cells" in a higher energy-state of syg-energy – as in a spherical grid or honeycomb pattern – the "cells" being here the individual syg-fields (we'll see them below in 5.1. as depth hexagons). Or else, it could be an embedding of all individual syg-fields into a global and unique syg wave-structure having harmonized all syg-frequencies – some higher integrative state resembling a Bose–Einstein condensate.

3. Hoagland's Hyperdimensional (Tetrahedral) Physics

Now, let's focus on the perception of hexagonal color quantas we saw in 2.2.c. If indeed the deep structure of hyperspace was that of a near-infinite volume of hyper-hexagonal prisms, it would allow rotational fields and tori (either enclosed or surrounding), as well as many transient centers. Just as on a 2D hexagonal grid, the variety of structures that can be obtained, that can be enmeshed, superposed, and/or concentric, is staggering; see fig. 4).

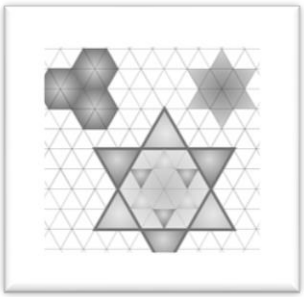


Fig. 4. Hexagonal grid and its many configurations.

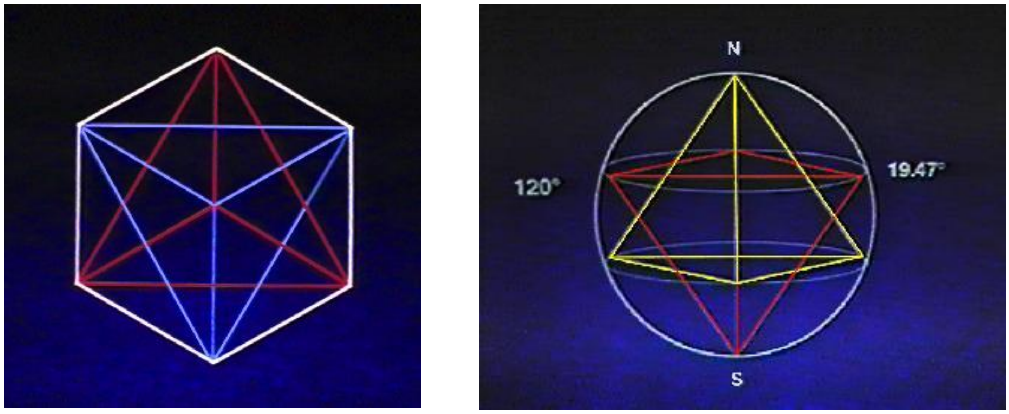


Fig. 5. a (left) Tetrahedron within hexagon. b (right) Hoagland's seal of Solomon in 3D, showing the 19.47° latitude. Extracted from R. Hoagland's website essay on Hyperdimensional Physics, Part 1.

3.1. Embedded tetrahedrons within hyperspheres

On the other hand, I must say that I'm fascinated by Richard Hoagland's hyperdimensional physics based on tetrahedral HD dynamic structures, and I find his discoveries about how it can explain some mysterious geo-dynamic features of the planets quite convincing; for example, the dynamic, rotating, gaseous hexagon at the north pole of Saturn (see illustrations below and at Hoagland's website).

It appears that Hoagland's framework could accommodate my above-mentioned vision of a colored grid of quantized hexagons, possibly made of photons, and set in a range of frequencies (as pseudo-colors).

When 2 equilareral triangles are embedded (in an inverted way), one gets the Star of David, or Sri Yantra design that fits in a hexagon and its surrounding circle.

A tetrahedron is a triangular pyramid, whose 4 sides are equilareral triangles. First, Hoagland shows that the bases of two embedded tetrahedrons (or their 2D representation) do fit perfectly within a hexagon (see fig. 5a). Second, as Hoagland states, the double-tetrahedron embedded so as to form a 3D star of David (or seal of Solomon), can fit within a hypersphere (such as a planet), because is is made of two enmeshed equilateral tetrahedrons.

The crucial feature of such a HD structure is the 19.47° latitude at which stands the basis of the down-pointed tetrahedron, mirrored by the inverted one. Also, each side of the equilateral triangle takes a 120° arc on the circle/sphere (see fig. 5b). This is a remarkable feature of his tetrahedral hyperdimension model, that may explain some planetary geophysics enigmas, such as the dynamic summertime polar hexagon on Saturn (Saturn's orbit spans 30 Earth years). (See fig. 6.)

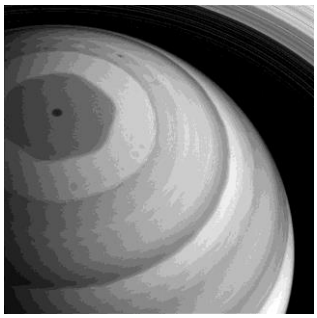


Fig.6. A Cassini photo of Saturn's polar hexagon, taken on Sept. 9, 2016. Credit: NASA/JPL-Caltech/Space Science Institute. Wikimedia PIA20513.

This tall (still enigmatic) summertime hexagon on Saturn is estimated at 78° latitude, that is, 12° from the North pole, and not at the 19.5° marking the 3D double tetrahedron within a sphere. Yet, this doesn't, in my view, precludes some kind of link to tetrahedral physics, given that this dynamic rotating cloud and wind system reaching the stratosphere is so gigantic and tall (about 200-300 km high), and furthermore, it's a complex one tied to circular rings at lower latitudes and housing a vortex at the hexagon's center, and another vortex (but no hexagon) at the south pole. Proof is, the hexagon on Saturn's rocky moon Mimas, called "Herschel crater" (80 miles wide, that is, 1/3 of this moon's diameter, and with a towering central peak) extends exactly to a circle of 19.5 degree from its central peak, as I calculated it precisely using the NASA photo showing the latitudes below.

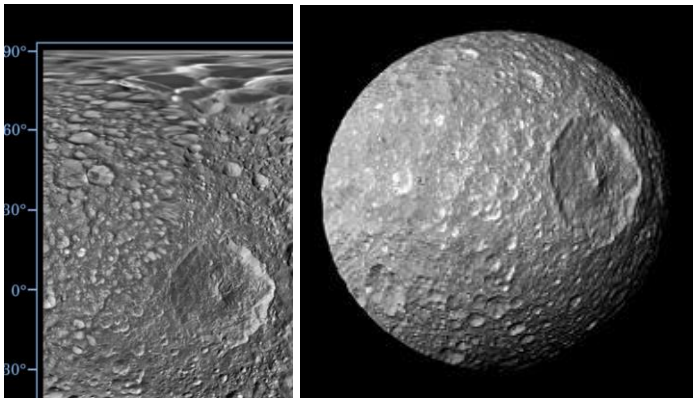


Fig. 7 a. The hexagon on Saturn's moon Mimas, in January 2017, reaches exactly 19.5° around its central peak. Credit NASA; Wired; Wikipedia/commons/5/5f/PIA17214. b. Mimas, with the hexagon named "Herschel crater" taken by Cassini when 9,500 km away, on February 13, 2010. Credit NASA, PIA12570.

3.2. Maxwell's hyperdimensional quaternions theory

This *Seal of Solomon in three dimensions* as pertaining to a hyperdimensional layer of the universe, was already envisioned by James Maxwell in his quaternions theory.

Hoagland and Thomas Bearden (following the research carried by the latter in 1903-04) have rediscovered and reassessed Maxwell's original *quaternions* theory as being clearly hyperdimensional. Hoagland deems "Maxwell's 19th Century success – a mathematically-based, *four-dimensional* 'field-theory.'" To quote him from his website, citing a poem by Maxwell:

"...Ye cubic surfaces! By threes and nines, Draw round his camp your seven-and-twenty lines – The seal of Solomon in three dimensions." Which, of course, are nothing less than the geometrical and mathematical underpinnings of the infamous "circumscribed tetrahedral latitude" memoralized all over Cydonia ... 19.5 degrees, the identical, hyper-dimensional quaternion geometry whose physical effects (see below) we have now rediscovered all across the solar system ... and beyond!" (Bold emphasis mine)

Maxwell, as we know, elaborated the theory of electromagnetic radiation (with its "quaternions" equations), that showed electricity, magnetism, and light as belonging to the same spectrum of EM waves, and moving through space as waves at the speed of light. He postulated that all these EM radiations were undulations in an underlying medium (the ether), and formulated the equations of the *electromagnetic field.*

Soon after Maxwell's death in 1879, his quaternions[3] were drastically simplified by, among others, Oliver Heavyside and William Gibbs, and this was done, says Hoagland, by "*excising the scalar component of the quaternions* and eliminating the hyperspatial characteristics of the directional (vector) components." Hoagland concludes: "The end result was that physics lost its promising theoretical beginnings to becoming truly "hyperdimensional" physics ... *over a century ago* ... and all that that implies." (emphasis mine) This is one example (among others) of a systematic blocking of the evolution of several scientific fields and of free spiritual exploration and knowledge. Hoagland stresses the *intentional* reduction of Maxwell's hyperdimensional quaternions theory, to a simple 3D theory; says he: "Thus "hyperspace" – as a potential solution to unifying the major laws of physics – after Maxwell's death, and the major rewriting of his Theory, quietly disappeared ... not to resurface for almost *half a century*."

3.3. Evidence of the hidden Maxwell scalar potential and the "Aharonov-Bohm Effect"

A truly astounding research has been focused on the analysis of the discarded scalar field highlighted in the original quaternions of Maxwell. Thomas Bearden reassessed Maxwell equations, and cited the work of Edmund Whittaker. According to Hoagland (part II), Whittaker, in his 1904 paper "demonstrated how two "Maxwellian scalar potentials of the vacuum" – gravitationally curving spacetime – could be turned back into a detectable 'ordinary' electromagnetic field by two interfering 'scalar EM waves'... even at a distance." This is of course of crucial importance, as it shows Maxwell's scalar field is acting as a hyperdimensional foundation or source to the ordinary 4D EM fields.

Similarly, in an 1959 experiment revealing what is now called an *Aharonov-Bohm Effect,* Yakir Aharonov and David Bohm created a superconducting torus, perfectly shielded to leave the internal region totally field-free (that is, in which both the magnetic field B and electric field E were zero), and then fired a beam of electrons orthogonally through its central void circle; when passing through, the electrons's electronic state (or wave functions) were modified, although it couldn't be a direct effect of the electro-magnetic field hermetically contained inside the torus. This effect has been replicated, including in double-slit interference experiments. The Wikipedia article[4] concludes "The Aharonov–Bohm effect shows that the *local* E and B fields do not

[3] James Maxwell's first publishing of "*A Dynamical Theory of the Electromagnetic Field*" was in 1865.
[4] https://en.wikipedia.org/wiki/Aharonov–Bohm_effect

contain full information about the electromagnetic field. (…) Therefore, *one must either abandon the principle of locality*, which most physicists are reluctant to do, or accept that the electromagnetic four-potential offers a more complete description of electromagnetism than the electric and magnetic fields can." (My emphasis) For Hoagland, it "provides compelling proof of a deeper [HD] "spatial strain" – a "scalar potential" – underlying the existence of a so-called magnetic "force-field" itself.

3.3. Sacred geometry in Paris grid of sacred lines: corroborating Hoagland's tetrahedral HD physics

In *The Sacred Network*, I studied the ley lines and the grid of Christian-Druidic sacred sites that they interconnect, thus delimiting magnificent sacred geometry structures revealing an ancient sacred science and architecture based on the golden ratio. Because the leys are undulating vertically (above and then below the earth), the projection of their course on a 2D map is a network of straight lines as far as a town or a small region are concerned (they would curve with the curvature of Earth only on a large region scale). In Paris, embedded hexagons and stars of David (the ancient *Sri Yantra* of the Vedic-Hindu Tantra science) are prominent features, as well as golden rectangles (see fig. 8a). Leys are surelevated by tall buildings, they just cross each other and keep on their course toward another crossing point; they thus form complex crossings of 2 lines (4 vectors), 3 lines (6 vectors), 4 lines (8 vectors); (see fig. 8b). Let's note that a crossing of 3 lines at their crest (6 vectors) would create a double embedded tetrahedron.

As I've shown in *The Sacred Network*, the grid of Christian-era monuments and sacred sites, connected through straight sacred lines, has been superimposed along the millennia upon more ancient Druidic/Celtic and megalithic grids (the latter being pre-Celtic, that is, in continental Europe, prior to 2000 BCE). The Christian sacred sites were systematically built over the Greek and then Gallo-Roman sacred sites, themselves superposed to the Celtic and earlier megalithic sacred spots and leys. Thus the foundations of a temple to the Roman goddess Diana have been uncovered under Notre-Dame Cathedral in Paris, the ruins of a temple to Isis under St-Sulpice Church, and an astronomical temple featuring a huge arc of 12 menhirs (of the scale of Stonehenge) is still hidden under Chartres Cathedral, enclosed in the huge St. Fulbert so-called 'crypt,' which lies in fact at ground level. And this sacred architecture and geometry science has its roots in the Egyptian kingdom founded by Enki (brother of the Sumerian Enlil, sovereign of Earth) and much later headed by Enki's son Hermes.

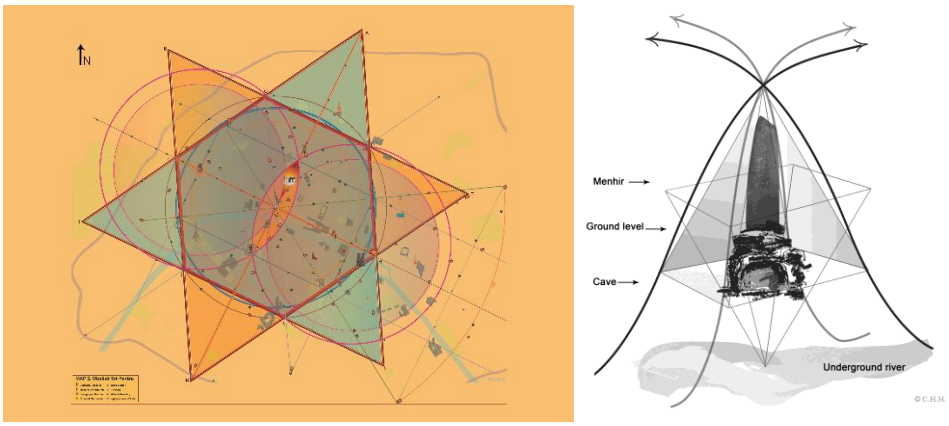


Fig. 8. a. Obelisk Sri Yantra in Paris (whose center is the Obelisk on Concorde Plaza), with the Magdalene mandorle (orange spindle + white church) espousing the vertical central axis of the golden rectangle (blue straight lines) set inside the inner hexagon. The large curved grey line partly surrounding the Star of David is the circular highway surrounding Paris; the Seine River is in blue. b. A crossing of 4 sacred lines below their crest, as two embedded pyramids. From The Sacred Network, color insert and p. 174. Digital artwork by Chris H. Hardy.

Why this matters for us here is that this ancient sacred science based on sacred geometry and the golden ratio *Phi*, in my view, reveals the underlying structure and dynamics of what Pauli called *deep reality* – that is, the texture of the hyperdimension, which, in ISST, is based on the golden spiral of the origin, whose dynamics are driven by *Phi* and *Pi*. Furthermore, many texts by Hermes (from the *Corpus Hermeticum*) reveal the practice of accessing the highest samadhi (or Oneness) state called "the ninth" (spirit level or dimension) – such as the magnificent *Discourse on the Eighth and Ninth* – something that fits an exploration of deep reality as a cosmic *consciousness* dimension (reflected also in the Eastern concepts of the Tao and the brahman).

4. Resonances and Rhythms Crisscrossing the Cosmos

Let's see now some recent discoveries about intergalactic sound waves and resonances in the universe, and Hartmut Müller's 2008 theory of *Global Scaling* explaining them.

4.1. Perseus' Black Hole emitting a single-note music through the cosmos

Intergalactic sound waves have been detected for the first time in November 2003 by the Chandra X-Ray orbiting telescope of NASA, emitted by the central *supermassive black hole of the Perseus cluster*, which comprises thousands of galaxies and is located 250 million light years from Earth. The jets of material emitted by the black hole create two enormous bubble-shaped cavities, about 50,000 light-years wide and filled with magnetic fields and high-energy particles (Fig. 9, left). Both cavities are sources of intense radio waves, and they form an eight-shape figure around the black hole.

The astronomers Andrew Fabian and Steve Allen, from the Institute of Astronomy in Cambridge, England, based on a first observation in 2002 calculated that the combined energy from 100 million supernovae had been necessary to form the cavities. The X-ray photo showed that the gas filling the cluster was full of clearly concentric ripples forming like the outer rims of many petals around the black hole (Fig. 9, right). These ripples are sound waves that emit only one note, a B-flat, at 57 octaves below middle C; that is, 1015 times below the lowest sound audible to us. The NASA's Goddard Flight Center online news (November 17, 2003) says about it: "In terms of frequency (the time it takes a single sound wave to pass by), the lowest sounds a person can hear is 1/20th of a second. The Perseus black hole's sound waves have a frequency of 10 million years!"[5]

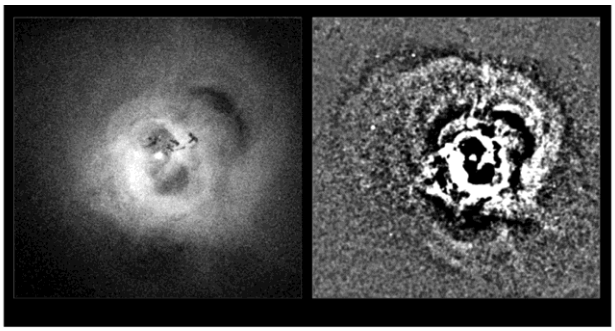


Fig. 9. a (left) & b (right). Sound waves generated in Perseus cluster. Courtesy NASA/CXC/IoA/A. Fabian et al.

This unique note is estimated to have remained quasi constant for about 2.5 billion years. Sound waves are in effect pressure waves that travel through the void at the typical sound speed of the solar wind (a few hundred kilometers per second).
Now this clear-cut observation shows that this cosmic-scale wave with a unique and stable B-flat frequency has managed to travel 2.5 billion light years toward Earth while keeping its frequency intact! So let's see the new theory of Global Scaling, that explains such phenomena and shows us that we live in a cosmos full of active information carried at enormous speed via resonance—the ISST's metadim Rhythm.

4.2. Resonances throughout the universe: Global Scaling

The Global Scaling Theory is sorting out and modeling the scale invariance in physical systems (from quantum processes to cosmological structures), whether in frequency resonances or in form (isomorphic structures). In 1982–84, Hartmut Müller started to elaborate the theory, on the basis of the scaling—the logarithmic scale-invariance—that he discovered in the distributions of masses both at the subatomic level (particles, nuclei, and atoms) and at the cosmological level (asteroids, moons, planets, and stars). Beyond the masses, the scaling expressed also specific properties in these bodies' orbits and sizes. As the 2008 collective online article called *Global Scaling Theory*, by the Global Scaling Research Institute, puts it: "Scaling is a basic quality of fractal structures and processes. The Global Scaling Theory explains why structures and processes of nature are fractal and the cause of logarithmic scale-invariance."[6] For example, in

[5] www.nasa.gov/centers/goddard/universe/black_hole_sound.html
[6] www.global-scaling-institute.de/files/gscompv18_en.pdf

1795 Karl Gauss sorted out that the distribution of prime numbers followed a logarithmic scaling invariance.

The theory has its roots in Richard Feynman 1967-69 discovery of scale-invariance in hadrons collisions, developed in his article "Very High-Energy Collisions of Hadrons." Then, still in physics, the work of J.D. Bjorken, and also Simon Shnoll in the fluctuations of nuclear decay rates. During the early eighties, scale-invariant logarithms of development were found in biology (e.g. in morphogenesis and ontogenesis), as well as in the neuro-physiology of perception. This is why we are able to distinguish easily a given note at different octaves. This is true not only for our hearing sense but also for the smell, touch, and sight senses. For example, says the article: "The retina records only the logarithm, not the number of impinging photons. That is why we can see not only in sunlight but also at night." And similarly, our perception of color differences is "logarithmically calibrated" in relation to the wavelengths of light that we see as colors. In the late nineteenth century, Ernst Weber and Gustav Fechner came up with the *Weber-Fechner Law:* "The strength of a sensory impression is proportional to the logarithm of (the) strength of the stimulus." All our senses work in this manner; says the article: "*The logarithmic scale-invariant perception of the world is a consequence of the logarithmic, scale-invariant, construction of the world*." More and more fractal objects and processes were discovered in the natural world. At the end of the 19th century, the work of Cantor and other mathematicians on fractal structures (e.g. the problem of *a line of grains-of-sand*), demonstrated that space coordinates cannot describe adequately the scale-invariant fractals, and it led Hausdorff to postulate in 1919 the fractal dimension D.

But let's see the basics of the dynamics of vibrating strings, that creates the sound harmonics: If space is finite in the direction of the wave-propagation or penetration, a *standing wave* will form, when the half-wavelength is equal to an integer part of the size of the medium. The frequencies of harmonics will be dependent on the divisions of the first wavelength only by integers, so that the two end-nodes of the wave (where the waves creates an X, at the zero point) are always at the two boundaries of the string. This standing wave's rising frequencies can be mathematically expressed as a logarithm. The frequency on a string of definite length could thus rise to infinity, thereby creating what is called 'the ultraviolet catastrophe,' a sophisticated way of saying 'Here we go again, face to face with infinity!' Of course there's no catastrophe in reality while the harmonics rise toward the infinity! Only in the minds of physicists who hate the tendency of the universe—and of their own equations—to abruptly open again and again on infinity; and in order to stop it, they have to constantly figure smart 'renormalizations' – that is, methods to input corrections issued from real observations data.

The global dynamics, according to the article, is that "oscillation-troughs displace matter that then concentrates in the oscillation-nodes. In this way, a logarithmic, *fractal distribution of matter density* arises in the natural oscillating medium. (…) This change from compression to decompression causes a *logarithmic, periodic structural change* in the oscillating medium; and areas of compression and decompression arise in a logarithmic, fractal pattern."
In 1975, Benoit Mandelbrot started to create his magnificent fractal designs and to apply the fractal dimension to the analysis of many processes and natural phenomena, like the growth of

leaves on a tree, coastlines, or crystal formation. And in 1987, Hartmut Müller developed the *Proton Resonance Model* (based on fractal scaling) and used it at first to model and optimize technological systems. Then he discovered that some properties of many natural and cosmological systems are precisely set on the periodic recurrence of the proton's frequencies. For example, Müller calculated that in the human body and brain, the main rhythmic processes and spectra of frequencies—such as breathing, heartbeat, neural processing, micro-arterial blood pumping, optical sensor scan, voice, and hearing – all of them were falling on nodes of the proton's resonance frequency spectrum. Similarly, the distribution of the masses of the planets in our solar system, as well as their respective distance from the sun, all this is clearly highly related to the nodes of the proton resonance at an immensely distant octave.

Now, the stupendous discovery of Müller is the texture and organization of the *vacuum as a spectrum of resonances*. This stands in stark contrast with the mainstream QM modelization of the quantum vacuum as the Zero Point Fluctuations field (ZPF), in which the 'fluctuations' are postulated to be entirely random, highly energetic, showing a highly disordered and entropic turbulence, or else a 'shredder' of any matter lower than Planck length. And in Relativity theory (that dumped the ether concept), the void is the curved texture of spacetime itself, filled with EM fields. But now arises a new vision: in the framework of Müller's *Global Scaling theory*, the vacuum is a *spectrum of resonances* and behaves like an oscillator.

Müller's theory doesn't need to be an alternative to the modeling of the vacuum by Jack Sarfatti (2006), elaborating on Dirac's work, as a complex membrane through which are connected on one side the matter-particles of whatever charge (i.e. the electron), and on the other side, that of the Dirac sea, their anti-particles (i.e. the positron), and their tunneling through the membrane creating networks of loops. In ISST, the sygons, as torsion waves, are ejected by the golden spiral (ISS) of the origin with a specific set of (decreasing) frequencies; and the interference of their larger wavelengths creates the Higgs field, in which they acquire mass while crossing it as spinning virtual closed strings. So that Sarfatti's loops or Dirac's holes in the sea would be created by the spinning sygons crossing the membrane and thus becoming the matter-era particles, which, nevertheless, would retain at their core the sygon frequency of the step from which they originated in the ISS at the origin, and their resonance and rhythmic connection in the hyperdimension – via Rhythm-HD.

4.3. Rhythm-HD and the resonant vacuum

The scale-invariant organization of natural processes interests me to the utmost regarding the ISS theory and especially the metadim Rhythm, the hypertime. Said Nikola Tesla: "*Every movement in nature must be rhythmical.* (…) It is borne out in everything we perceive—in the movement of a planet, in the surging and ebbing of the tide, in the reverberations of the air, the swinging of a pendulum, the oscillations of an electric current, and in the infinitely varied phenomena of organic life. Does not the whole of human life attest to it? *Birth, growth, old age, and death of an individual, family, race, or nation, what is it all but a rhythm?*" (in "The Problem of Increasing Human Energy.") Now, if we integrate the central tenet of Global Scaling Theory, then all matter-systems in the universe have a specific frequency generating a static wave of resonance, which maintains its fine-tuned spectrum of frequencies in the void. As stated in the article: "A logarithmic-periodic structural change can be observed in all scales of measurement of the universe – from atoms to galaxies." And indeed, the golden spiral of the origin displays the logarithm of *phi*.

5. The Texture of the Hyperdimension – Interdimensional Contacts and Time-travel

Thus the interlaced Center and Rhythm HDs form the hyperspatial and hypertemporal *depth texture* of the HD, through which the sygons – expressing cosmic consciousness as well as all syg-fields of individual systems, including our higher Selfs – circulate. Sygons networks are darting from the Cosmic ISS at the origin, crossing the HD bulk back and forth, and getting in and out of the spacetime region, by spinning through the vacuum's double membrane (see Fig. 10)

5.1. The texture of the CSR-HD

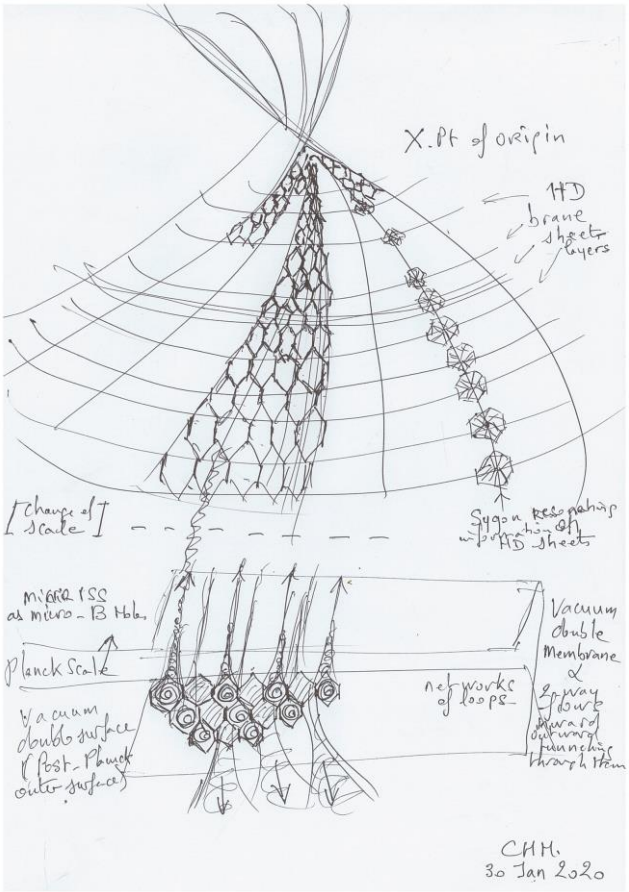


Fig. 10. The Texture of the CSR-HD – Sygons from the X-point of origin piercing through the honeycombed texture of Center+Rhythm HD, constituted of hyperhexagons on brane sheets layers, and resonating on each layer (top & left side); loops showing their two-way crossing of the vacuum membrane at Planck scale. (Artwork CHH)

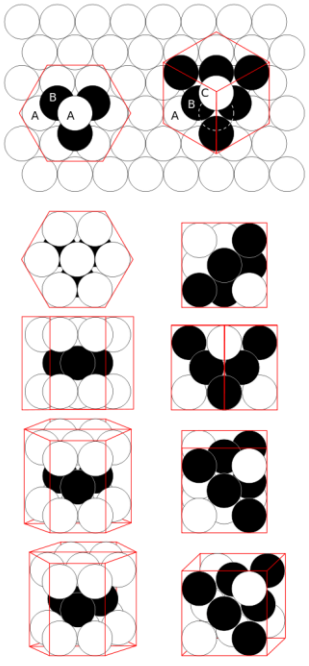
A frequency-layered cosmos creating niches for particles and atomic weights and structures.
The interlaced Center and Rhythm HDs – the deep reality's textured medium (or ether) that fills the HD and also underlies the 4D curved spacetime – is a layered structure of thick resonant

brane sheets; more precisely, each layer is a *curved surface with a depth*, instead of the concept of a brane-sheet as a flat surface with no depth. The thick layers of this Center-Rhythm-HDs texture define specific discrete frequency scales (as an extension of the cosmic ISS), which are resonating on the logaritm of phi, but also certainly on each scale of the proton's negative (imaginary) logarithm. But this is not due to the proton frequency itself; rather, it is the proton frequency and resonance wave that are created by the layered and Rhythmic texture of the HD underlying the whole quantum-spacetime (QST) region and all entities and systems in it. Thus each element and metal in Mendeleev's Periodic Table of Elements, is defined by its place (its niche associated with a frequency) within the Infinite Spiral Staircase – that runs like an underlying curved, torsioned, hyperdimensional step-pyramid, under all the matter region, thus constraining matter systems (such as a nucleus, its number of protons and neutrons, and its electrons's orbits) within specific discrete values that are in fact set by the resonant brane-layers.

A grid of hyper-hexagons

At a finer grain still, this layered texture (virtually horizontal) is criss-crossed orthogonally by the numerous threads of ISS spirals or bands, constituted of a hyperdimensional hexagonal grid – precisely made of hexagons with depth, which are fit in a grid of hyperspheres, and set on each layer, as shown on fig. 10. Because any hexagonal prism within its hypersphere is self-contained, it creates a standing wave of harmonics, by self-coherence.

This grid can be modelled as a close-packing of equal spheres, that is, a dense arrangement of congruent spheres in an infinite, regular arrangement (or lattice). In geometry, the maximum density grids that can be achieved in such depth lattices using close-packing systems are of two type: one based on hexagons, and one based on cubes. The first is called *hexagonal close-packed* (hcp), and the second *face-centered cubic* (fcc) (or *cubic close packed*), based on their symmetry.



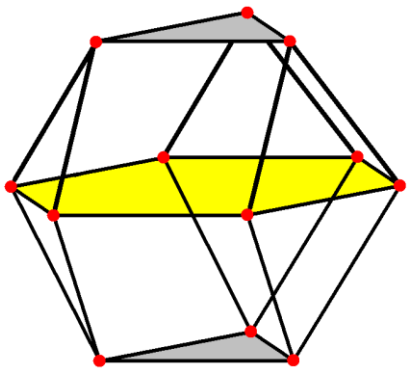


Fig. 11. a (left) Illustration of the close-packing of equal spheres in both hcp (left) and fcc (right) lattices. (Wikimedia commons, wiki/Close-packing_of_equal_spheres). b (right) HCP arrangement in a triangular orientation, which alternates two positions of spheres, in a triangular orthobicupola arrangement. (Wikimedia Commons)

A hyperdimensional sunflower

At the largest scale, the universe bubble's layered depth-texture could be symbolized by a hyperdimensional sunflower, with all the ISS spirals interlocked and spinning elegantly around the core center – the X-Point of origin. As some spirals spin leftward, and others rightward, their interferences create the specific niches for the hyperspheres and their hexagons, each at the particular frequency of this layer (or scale). In the hyperspheres that contain the depth-hexagons, could fit other types of complex 3D- or rather HD-structures, especially the tetrahedron, with more and more complex virtual solids, the farther from the origin and the lower the frequency of the element/metal.

Now, astonishingly, this infinite spiral staircase of the origin and the Pi and Phi numbers appear very often in some patterns of crop circles.

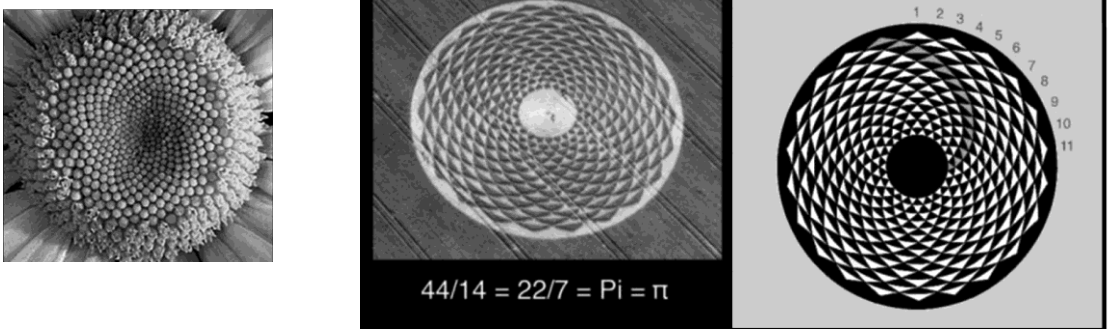


Fig. 12. (left) Spiral shapes and crisscrossing arcs in a sunflower. (right) A Spiral patterns and Pi in crop circles. Picked Hill crop circle, UK, 8/13/2000, and its interpretation. Credit: Michael Glickman. www.michaelglickmanoncropcircles.com/blog/why-pi/ - See also Cosmic DNA at the Origin, 120

Contemplate for a while the spiral patterns based on Pi (π) within the Picked Hill crop circle that appeared in England on August 13, 2000 (Fig. 12, center), and the embedding of Pi in the Barbury Castle crop circle (June 1, 2008), and see their astounding decoding by expert Michael Glickman (et al.) in his article "Why Pi ?" posted on his blog on June 28, 2012 (see an extract on my own blog).[7] In the Picked Hill crop circle above, 44 clockwise spirals make patterns of interferences with 44 counterclockwise spirals to create 14 concentric circles. The ratio of 44 to 14 gives the number Pi. However, remember that a golden spiral is based on the proportion Phi, so that Phi and Pi are enmeshed to create a magnificent and dynamic form.

[7] http://chris-h-hardy-dna-of-the-gods.blogspot.fr/2014/03/embedment-of-pi-number-within-barbury.html

Now, the same pattern of embedded and inverted spirals with 89 one way and 55 the other way (two following numbers in the Fibonacci sequence) gives the sunflower's pattern of florets *and* Phi, according to mathematician Helmut Vogel.

- *As for layers:* according to this hypergeometry, the higher the frequency of a layer (the nearer to the origin), the more warped the Center+Rhythm-HD texture.
- *As for sygons:* the higher their frequency, the higher the speed of their crossing through the layered cosmos, as whirling torsion waves. Sygons are free to cross all layers, back and forth, and to cross all spiral bands transversally.
- *The print of torsion waves*: Moreover, as the sygons' torsion waves cross through the layers at extreme speeds, they leave a 'print' of their structure + information on each layer of the specific spiral band they are on (see fig. 10, the downward spiral with a hexagon structure reflected on each layer, on the left, labeled "[a] sygon resonating [its] information on HD sheets".
- *From this HD texture, the inference is that:* Each bursting or shattering event disrupting an entity in the Center-HD (thus its identity as set by its Center-HD) launches (beyond the known quantum and spacetime matter-wave effects, that is, in addition to post-Planck events) a ripple through the layered and honeycombed fabric of the interlaced Rhythm (phi) and Center (pi) HDs.

5.2. What does a layered and honeycombed HD means for interdimensional contacts and time-travel

Time, in the HD, is a field extended in virtual space, as layers and bands delimiting hexagonal prisms. Hypertime, Rhythm-Rotation-HD, derives from the spiraling motion at the origin and is what in-form all the rotations (spins and orbits) in spacetime. Thus, the quintessential nature of time resides and is nested in the HD, and this is why our units of time are rightly derived from the planetary rhythms: the Earth's rotation (1 day) and its orbit around the sun (1 year). So that Earth, say 3 centuries in the past or 50 years in the future, just stands in another one of the hexagonal facets. Thus, because the cosmos is layered and hypertime is extended in virtual space, a time-travel could amount to a leap in space, from one prism to another one, at the near-instantaneous speed of Rhythm-HD.

Conclusion

To conclude, let me stress here that ISST postulates that the wave component of all particles and atoms (in contrast with their particle/matter component as in their position) is in fact the hyperdimensional layer of this particle – the syg-field or HD layer postulated to exist in all matter systems, at all scales (as a specific type of panpsychist framework). In consequence, the sub-Plankian and tachyonic (FTL) sygons would be the entities 'piloting' the Pilot Waves theorized by De Broglie in 1924 and then by Bohm and Hiley. Now, as the CSR-HD in ISST is hyperspace and hypertime interlaced with hyperconsciousness, several predicates follow:

(1) The Quantum potential (Q) that David Bohm inserted in the Schrödinger equation, rather than being just "active information," would in fact be a consciously driven and possibly self-driven entity in the HD.
(2) The sygons would provide a straightforward mechanism for the "observer" postulated by Heisenberg – an observer whose prior observation would have already modified the state of the system they are measuring; and for the similar *experimenter-effect* affecting the results of experiments according to their prior beliefs and expectations – an effect evidenced by numerous double-blind laboratory experiments (Schlitz 2006).
(3) Given that the HD-sygons are also what constitutes our personal consciousness or syg-field, we now have a possible explanation about a range of phenomena beyond informational psi, namely how a mind could in-form matter-systems and bio-systems, as for example in healing techniques (a mental capacity duly proven by hundreds of laboratory experiments, see Schwartz & Dossey 2010), or else in mind-over-matter influence, such as in psychokinesis.

It would follow that, as conscious and intelligent entities, we are much more entangled and co-evolving with our natural and material environment that we may realize, and especially with our planet whose global and holistic HD-syg-field is also a self-conscious entity – Gaia.

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