

[Eco Echo Invasives Extraction](#)

I hear my echo in the echoing wood -- simultaneous reception of echoes results not only in the incorrect separation of clocks within a moving chain; also asynchronicity of those clocks. Clocks necessarily get entangled through time dilation leads to a loss of coherence of a single clock. Phase coherence in the spin has the uncanny property of reversing the time flows backwards. we feel a vibrant buzzing, hear an uplifting tonal hum inside of us. There is always music in our heart and head

[Readers of my energy - quotes - promotionals](#)

[Spooky Action At a Distance that Uses Telepathic Methods - youtube playlist](#)

[Best Compilation of Bioenergy Spirit Demonstrations youtube playlist](#)

[Idiot's Guide to Daoist Taoist Yoga Neidan Qigong Alchemy Neigong Meditation Kundalini Energy links on youtube](#)

[77 Different Sources on de Broglie Law of Phase Harmony and Spiritual Force](#)

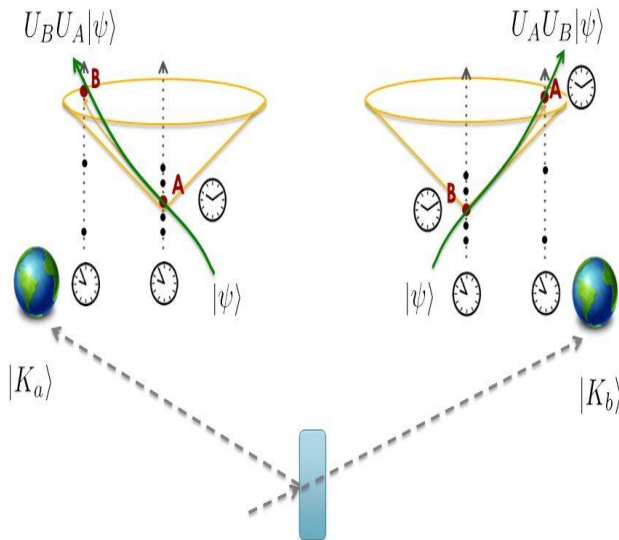
[The Blue Light of Blues Music: Quantum Biology, Metaphysics and Meditation](#)

"The universe and I came into being together; I and everything therein are One."

"If then all things are One, what room is there for speech? On the other hand, since I can say the word 'one' how can speech not exist? If it does exist, we have One and speech -- two; and two and one -- three(14) from which point onwards even the best mathematicians will fail to reach (the ultimate); how much more then should ordinary people fail?">"

[- Chuang Tzu, 300 BCE](#)

Gravitational quantum switch

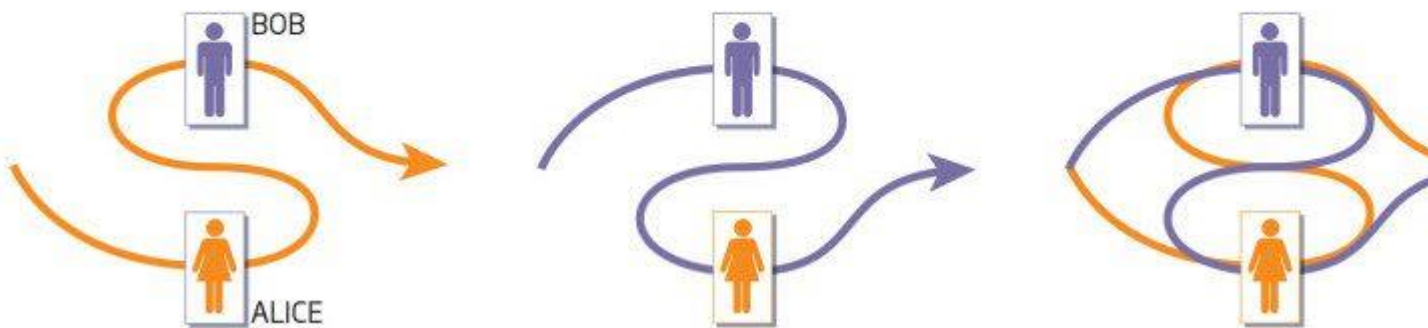


$$(|K_a\rangle + |K_b\rangle)|\psi\rangle \rightarrow |K_a\rangle U_B U_A |\psi\rangle + |K_b\rangle U_A U_B |\psi\rangle$$

Quantum control of temporal order

Who's on first? It's hard to say...

Alice and Bob can both alter the quantum state of a photon as it passes them by, producing a different result depend on the order they act. But if the path of a photon is in a quantum superposition, it's impossible to say who went first



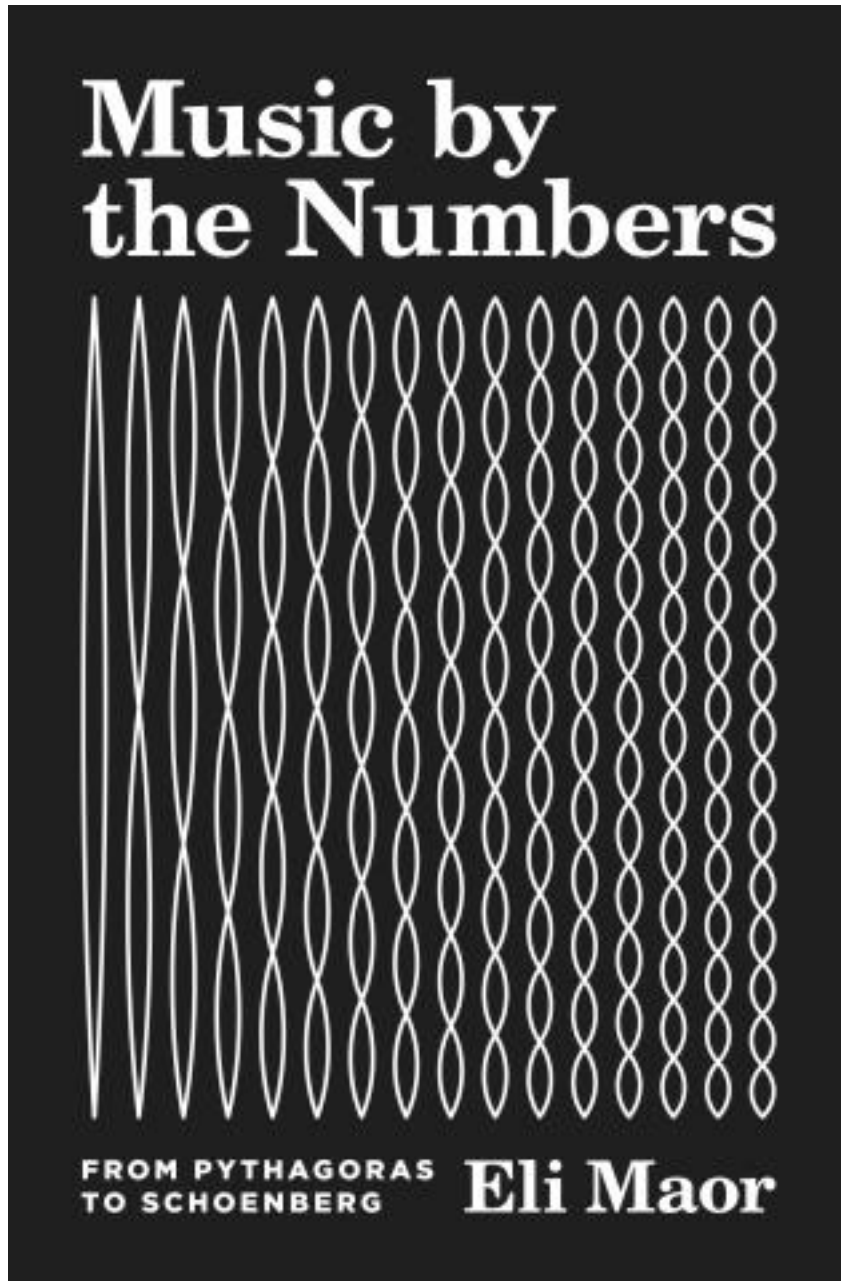
Quantum Nonlocality is from eternal asymmetric time as the 5th dimension, or noncommutative phase as the Tai Chi secret (the three gunas).



Monday, February 12, 2018

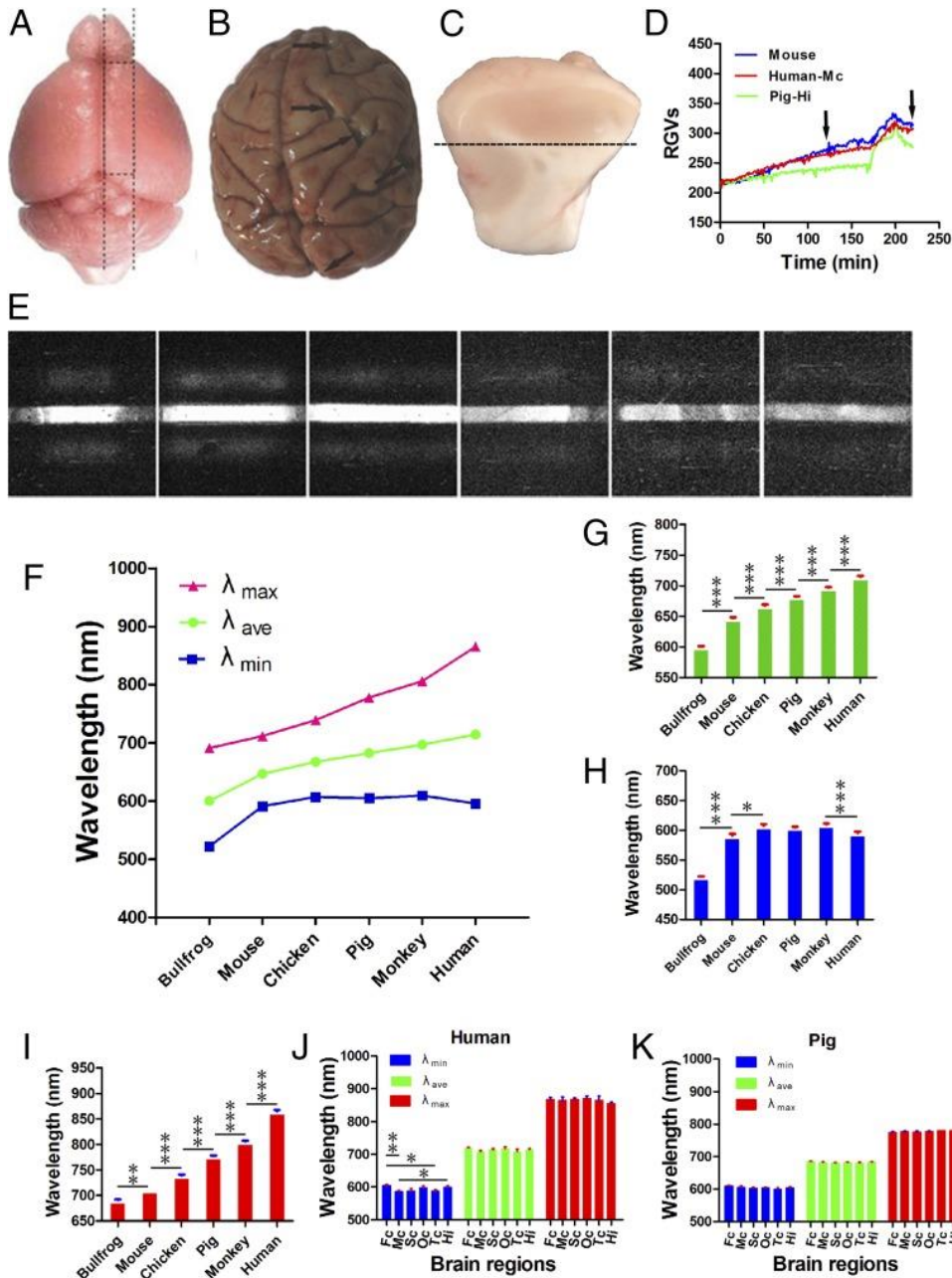
Why Eli Maor is Wrong about Music by Numbers: The Blue Light of Blues Music: Quantum Biology, Metaphysics and Meditation

The Blue Light of Blues Music: Quantum Biology, Metaphysics and Meditation

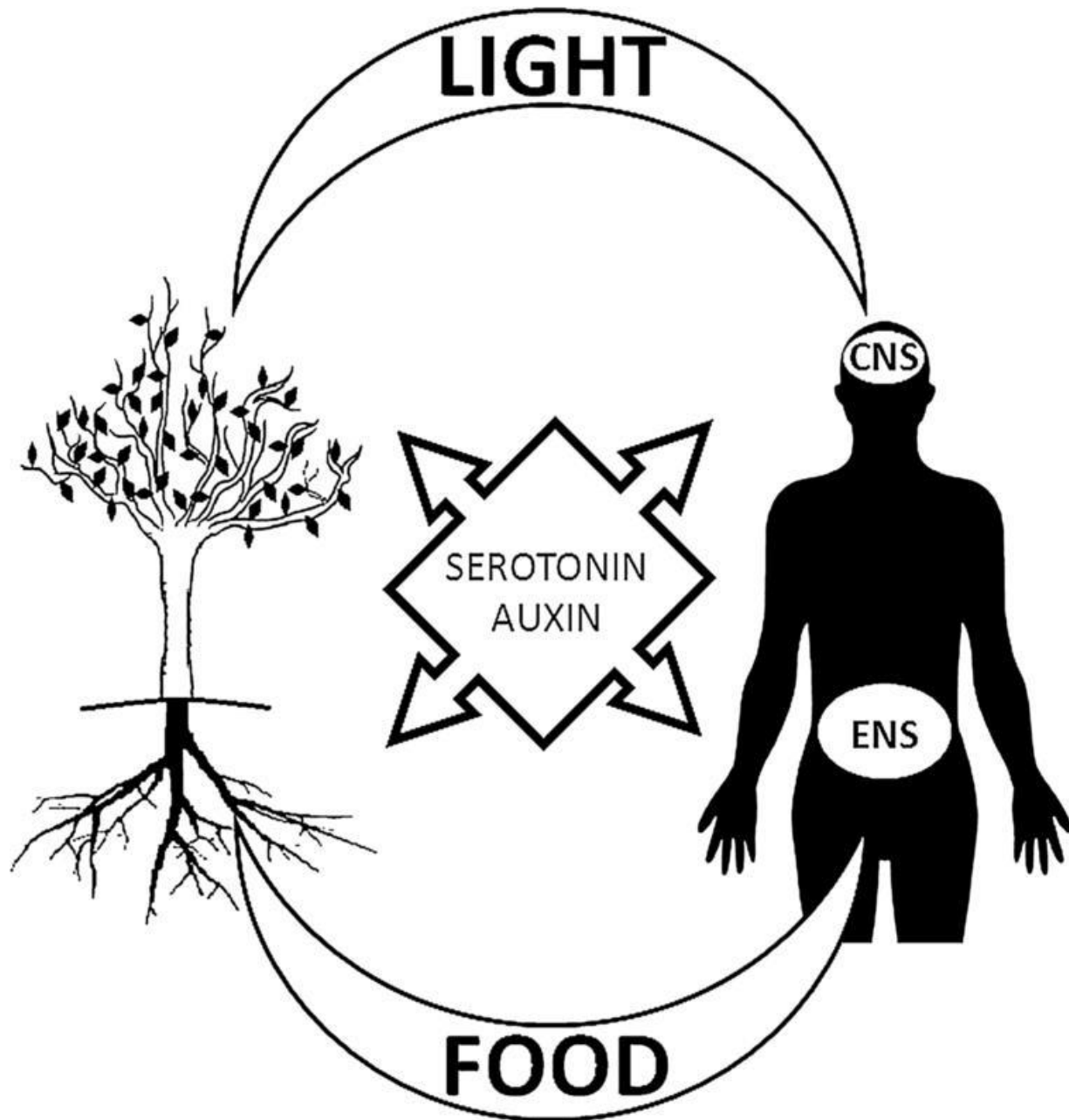


Another Corporate-State mass mind control science lie book about Pythagoras will soon be available
The below article debunks it.

Drew W. Hempel, MA,
2018, anti-copyright (free distribution, educational)



Something wrong happened to a group of humans starting around 10,000 years ago, something that archaeologist Jacque Cauvin dubbed the "symbolic revolution." This "symbolic revolution" spread around the world as what Professor Alfred Crosby described in his book titled "Ecological Imperialism." We, as the above shows, shifted our consciousness from the blue biophotons into the red biophotons.



Left brain dominance symbolic revolution cut off access to right vagus nerve sublimating serotonin into third eye Schumann resonance

And now we face what Professor emeritus Guy McPherson has dubbed a "predicament" meaning there is no techno-fix and humanity as a whole is going extinct, along with destroying the ecology, the diversity and harmonic balance of the millions of species on our home, Earth.



Dr. Mae-Wan Ho proved that molecules of life are based on resonant quantum coherent energy transfer, emitting biophotons, each of us has a spirit inside us! birefringent, liquid crystalline order gives off the coherent biophotons.

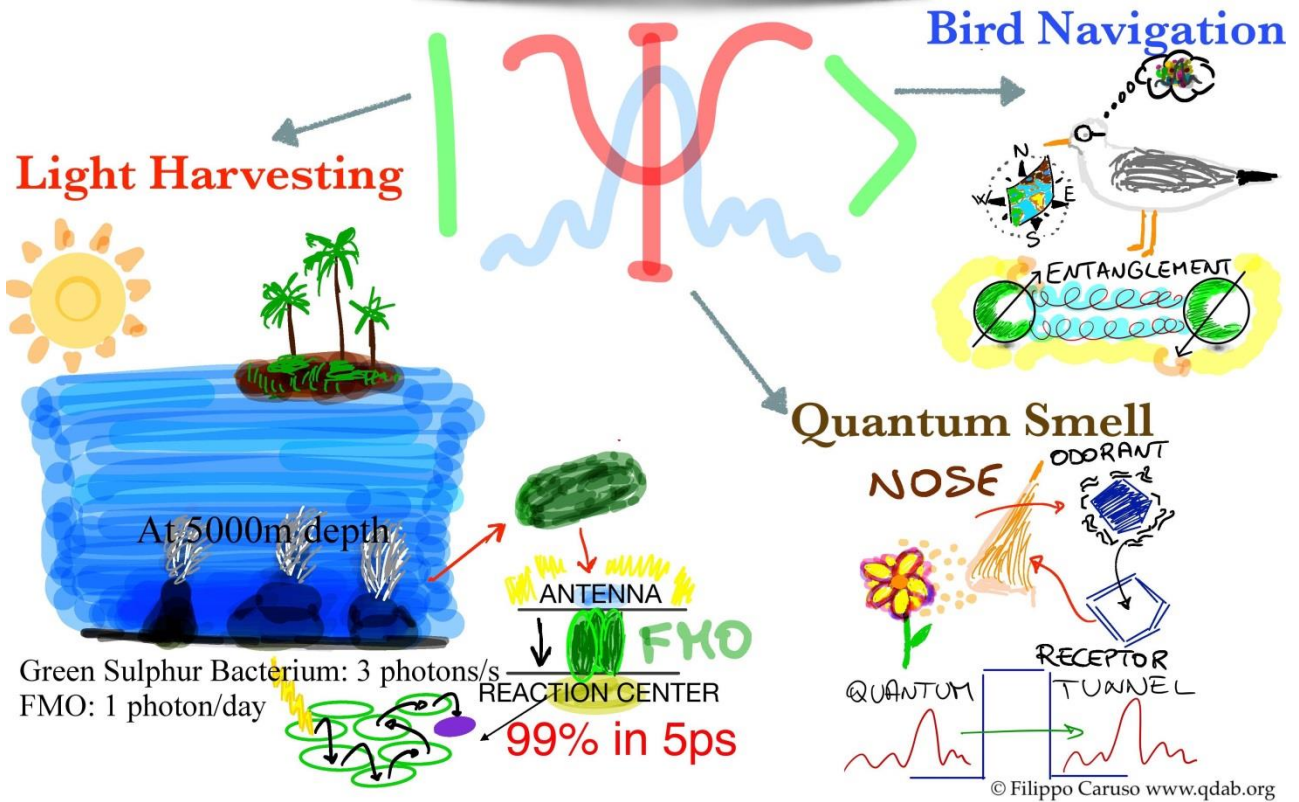
"The most coherent parts are the most active parts, showing up in the organism as those with the brightest colours. (We've done all the physics and mathematics to prove that's the case.) And when the organism dies, the colours fade as random thermal motions takes over." Dr. Mae-Wan Ho

"..life is driven by nothing else but electrons, by the energy given off by these electrons while cascading down from the high level to which they have been boosted by photons. An electron going around is a little current. What drives life is thus a little electric current." Nobel Laureate biochemist Albert Szent-Györgi



Almost everyone is in denial about this situation of the global destruction of ecological diversity of life as the biosphere habitat and I personally told Vice President Al Gore, in 2000, that "it was too late, we have to keep the oil in the ground."

Quantum Biology



At first radical ecologists, like myself and Guy McPherson, thought that if we "visualize industrial collapse" then humans have a chance to restore ecological habitat, to maintain growing food at scale and have clean water and air. Water at the interfaces of membranes and macromolecules is in an excited state, a coherent domain, requiring less energy to split. This "EZ water" has a higher refractive index and density as a "coherent domain" and up to 100 times the electrical conductivity. There is an equivalent separation of protons by up to 1000 times. The water not only traps or captures piezoelectric energy and biophotons but then produces phase-locked oscillations as macroquantum energy. The protons are "delocalized" (non-local) by the coherent domain of the water, much easier than just ionization of electrons. Thus water hydration as "adsorbed" into the collagen is 5 orders of magnitude more likely to conduct protons, as delocalized superconductive energy (the qi or prana). The collagen, through resonance, then doubles the frequency of the light that it has captured - as blue-shifted light.



Blue-shifted Orgone energy photographed from an orgone device. Potassium has the same effect as lecithin, lecithin as the vagus (parasympathetic), and the vagus, finally, as pleasurable excitation, swelling, turgor, increased surface tension, and as was recently shown, electrical charge. Wilhelm Reich, *Bion Experiments*, 1938 in German, published in English, first time, 2013.

“protons are coherently delocalized in two momentum states.”

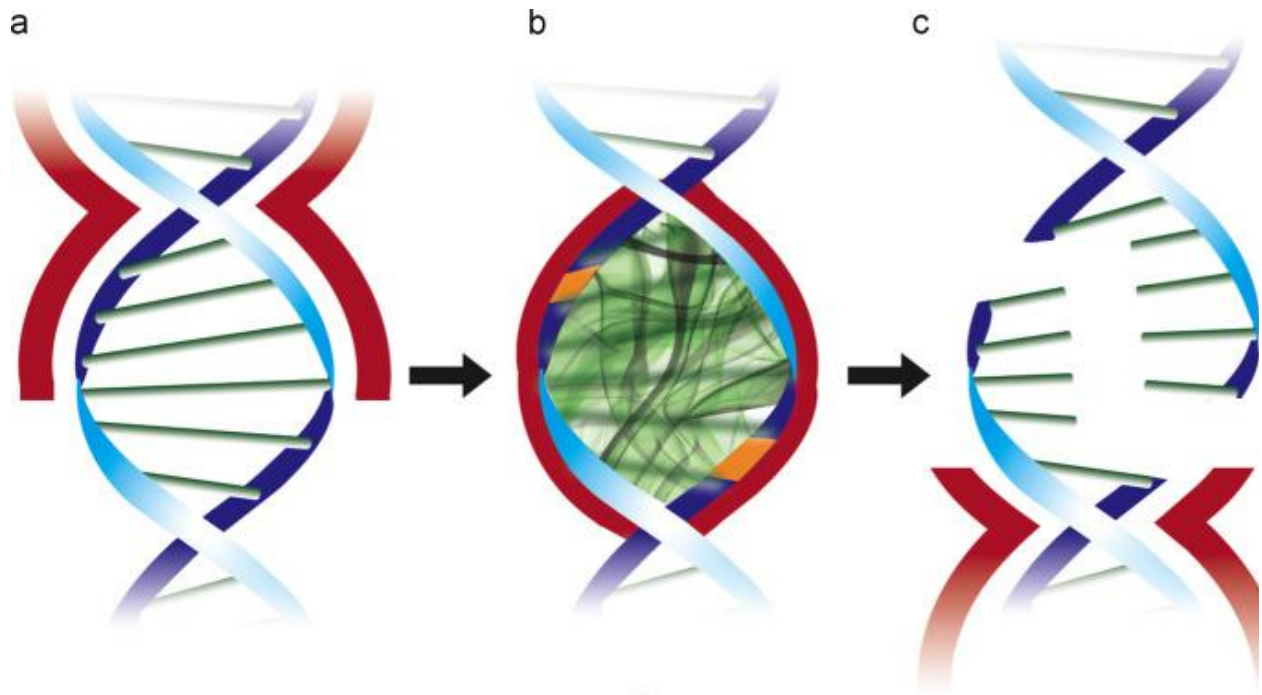
“the frequency of the CD [coherent domain] electromagnetic field becomes much smaller than the frequency of the free field with the same wavelength.”

De Broglie Law of Phase Harmony.

“The phase, distinct from the energy, can travel faster than light.”

Professor Emilio Del Giudice:

"A coherent system is in fact able to concentrate its energy from the whole of its degrees of freedom [infinite frequency] to a small number of them. ...We can finally put forward the hypothesis that Wilhelm Reich's orgone is the form assumed by the energy of the organism in a condition of coherence [complementary opposite noncommutative phase-space]. In this case, the disappearance of the orgone becomes the consequence of the loss of coherence of the organism, with a subsequent loss of self-movement and a tendency towards the state of inert matter."



Quantum entanglement phonons hold DNA together and with enzymes separate DNA

"Although each nucleotide in a base pair is oscillating in opposite directions, this occurs as a superposition of states, so that the overall movement of the helix is zero. In a purely classical model, however, this cannot happen, in which case the helix would vibrate and shake itself apart.

So in this sense, these quantum effects are responsible for holding DNA together.

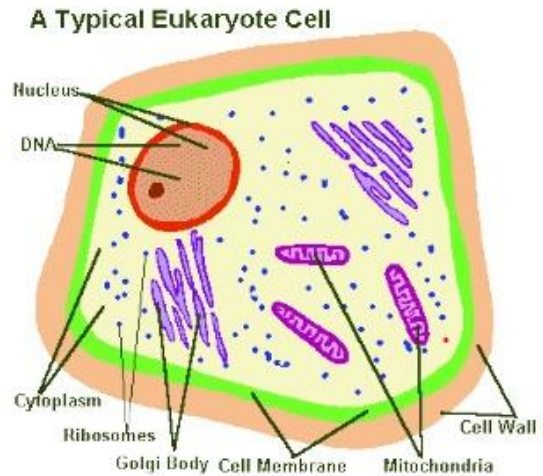
The question of course is how to prove this. They say that one line of evidence is that a purely classical analysis of the energy required to hold DNA together does not add up. However, their quantum model plugs the gap."

But then the phenomenon of Global Dimming was confirmed after 9/11 when planes over the U.S. stopped flying. The sulfur pollution, ever since coal was being burned, in the early industrial revolution, has provided a cooling effect counteracting the warming of the CO₂ and methane emissions.

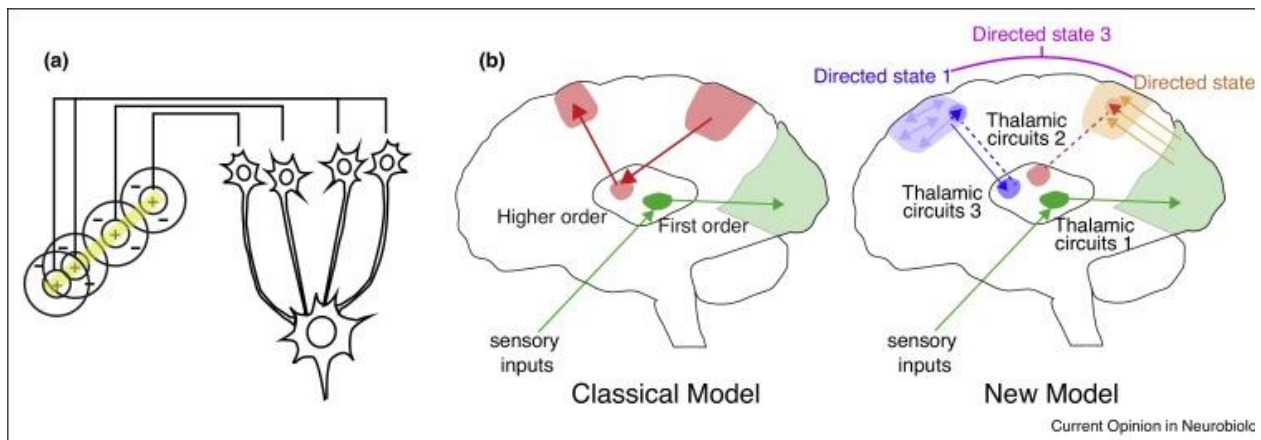


Wu Chi

- The 'Void' from which Yin and Yang forms of Qi arise (Empty Circle)
- Modern interpretation:
 - The Quantum Vacuum
 - Zero Point field
 - Space-Time-Mind Continuum that biological cells are immersed in
- Recent research suggests cells have 'quantum gateways' for consciousness and energy: Mitochondria and Microtubules

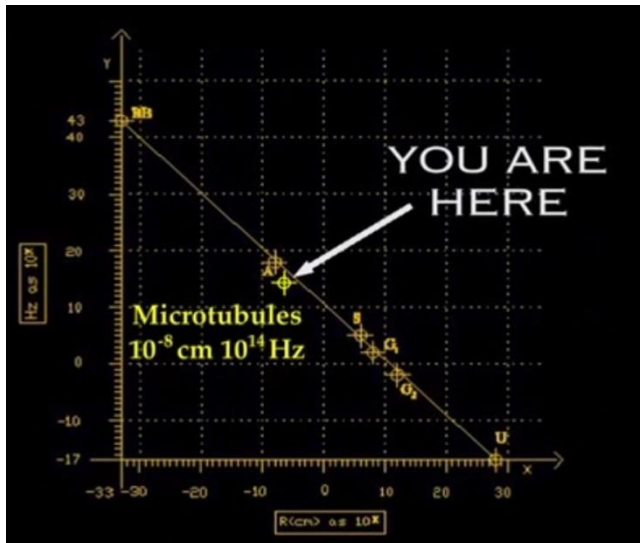


And so, like Aron Lee Ralston, who wedged himself into a narrow ravine and so had to literally cut off his arm with the blade of his cheap pocket knife, now have technologically "advanced" humans mortally wounded our own ecological biosphere.



Third Eye Thalamic Control: a previously unknown principle in neuroscience; thalamic control of functional cortical connectivity. May 2017

What happened is that around 30 million years ago there was an alignment of Jupiter (the god of space) and Saturn (the god of time) causing a huge comet or asteroid to resonate out its normal orbit, thereby hitting Earth, changing the precessional wobble just enough to change the Ice Age cycles. So Ice Ages, the deep freeze cycles of the planet, became more frequent but mammals and primates adapted to the cold. The early human species actually had discovered and developed a secret of what is now called quantum biology but in mystic meditation as alchemy it is called the "highest technology of all technologies."

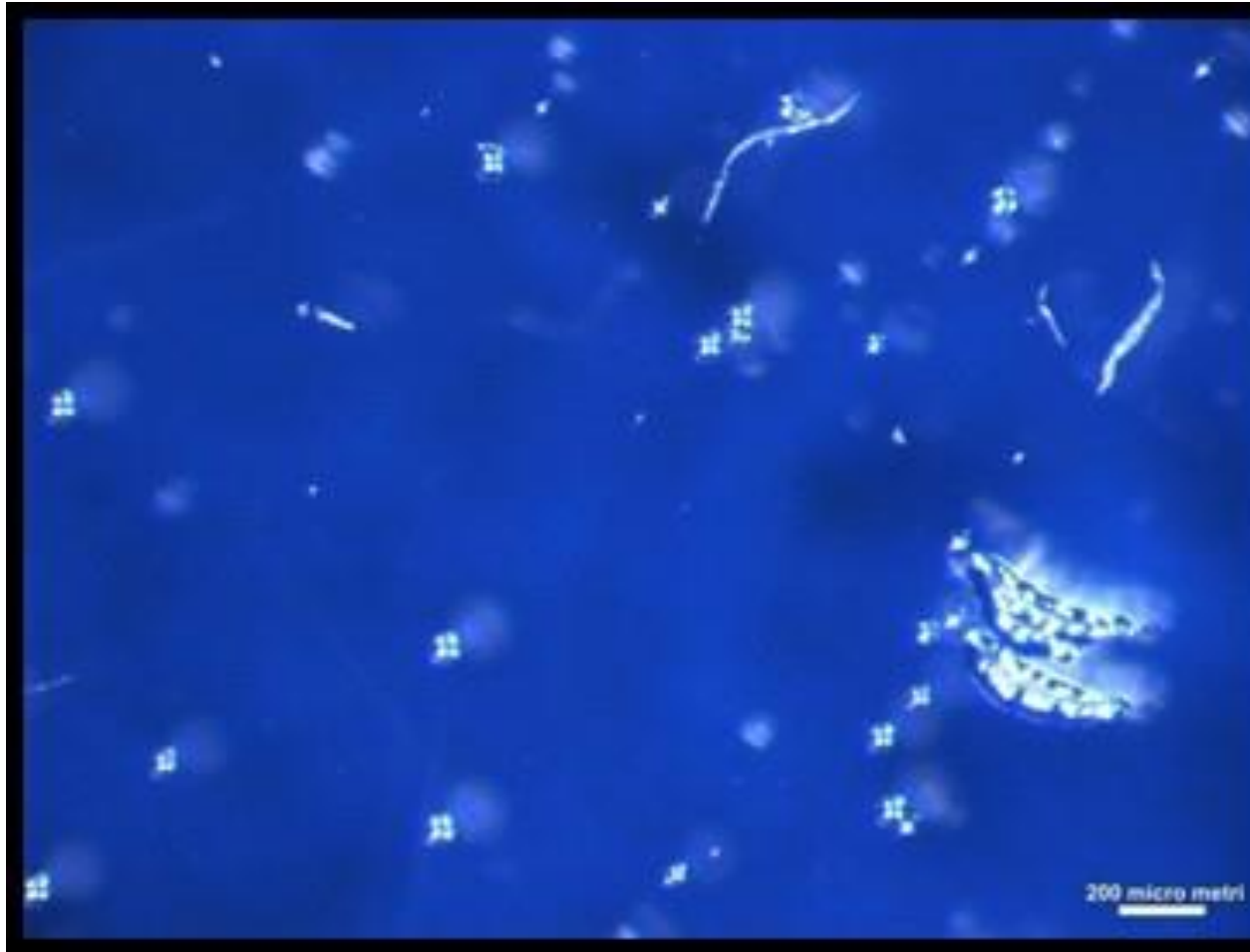


Microtubules, making up the most common protein of the body, collagen, are center of Cosmic Matter Scale

Some physicists call it sonofusion, a local deformation of spacetime caused by ultrasound acoustic cavitation as a sonic boom, enabling reverse time energy or negentropic momentum force – quantum entanglement coherence as protoconsciousness of the Universe, to be harnessed as internal heat and internal energy.

Quantum Relativity Physics Professor Ivette Fuentes (Q+ youtube chat answer to question at end of talk, 2013):

How some certain symmetries in your physics, when you break the symmetries, you create a resource, for example entanglement. So that is something super new that we want to do and is very interesting. If you move along a time-like, ...observer that is inertial or uniformly accelerated, you don't change the entanglement. Entanglement changes when you break that symmetry, ...symmetry of your spacetime. So when you break that symmetry you create a resource. And I think this is a completely new idea....there is curvature of space at a few centimeters.



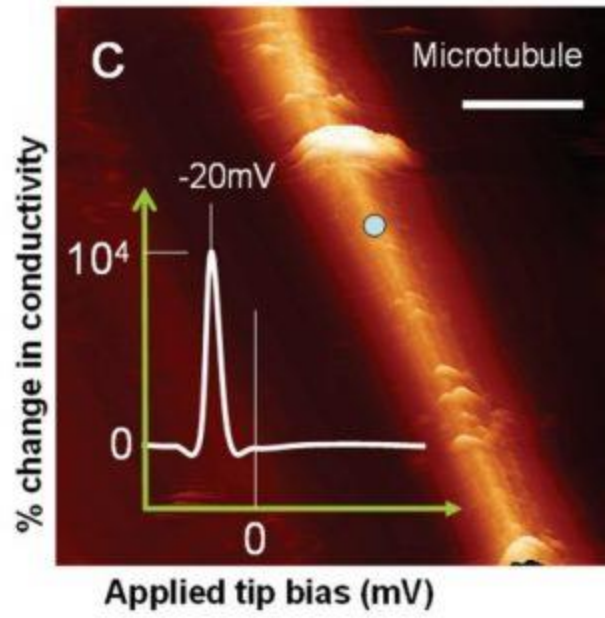
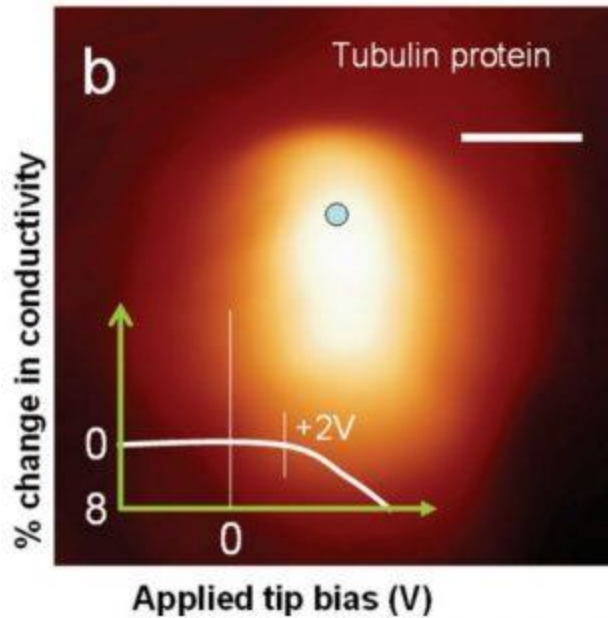
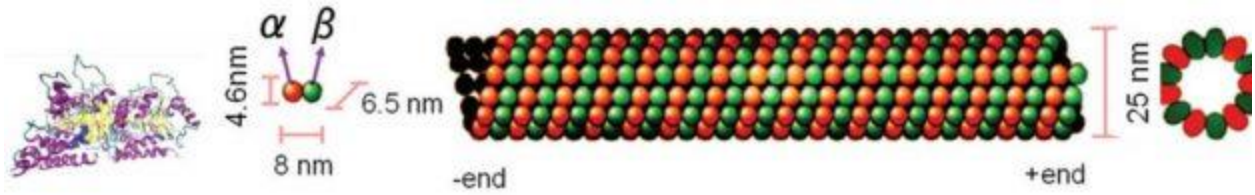
At 3 watts - ultrasound fusion has twice the energy as nuclear fission: The Sonotrode Cavitation Fusion Device:

Dr. Fabio Cardone

"By a metaphoric image we may picture the local deformed space-time, which is intimately bound to each photon, as the shadow of the photon."

[Science confirms this hypersonic resonance to quantum coherence](#)

"for some proteins the survival for microseconds is the "common frequency point". In this case, the common point is the inverse of microseconds that is the megahertz frequency. In summary, if in a particular protein, the electromagnetic and mechanical oscillations have a common time or frequency region where, both electromagnetic and mechanical oscillations merge, then we might manipulate one with another....However, there are 30000 and above proteins working relentlessly in our body, the 'common frequency point' if it exists for all proteins, would open up a possibility to remotely cure diseases."



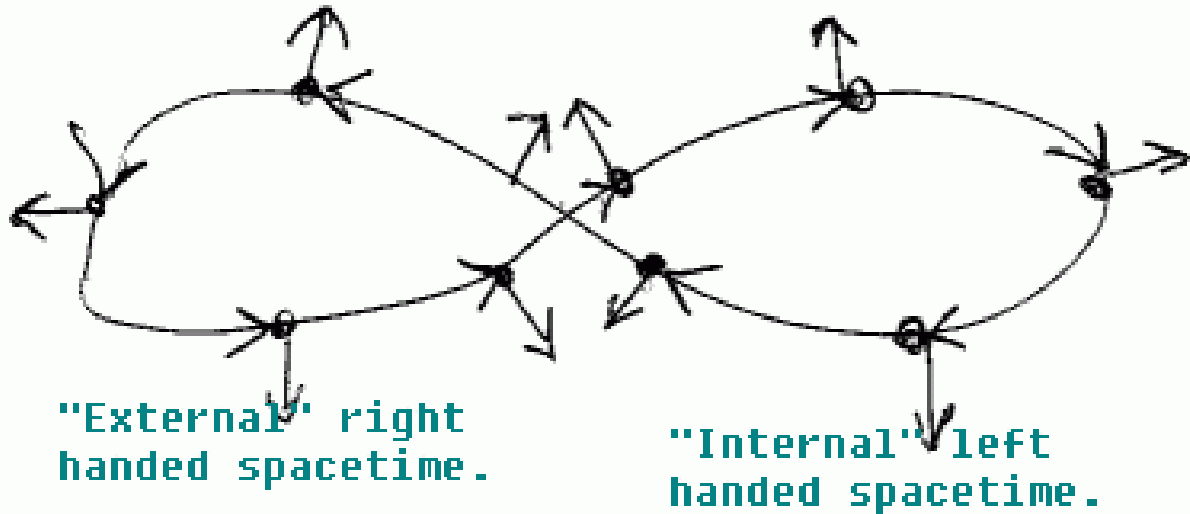
Ultrasound resonates microtubules with 3000 times more electromagnetic force as macroquantum coherence of qubit noncommutative phase nonlocal spin 1/2 consciousness

[Microtubule is six times bigger than single protein tubulin yet is 3000 times more electrically conductive than single tubulin protein](#)

Information for us is a time cycle that can be modeled in particular geometric shapes. It is all about one rhythmic vibration that arises through integration of geometries using 2,800 frequencies over 10^{20} Hz.

The one hydrogen atom universe simulation

Moebius spacetime (spin ladder)



Each vibration includes a “bing” moment (Hameroff’s metaphor for the moment of conscious awareness) and also a “silence” period. The “silence” contains the “phase”, and this holds the true information about the geometric shape of the particular time cycle. A band of frequencies always make a circular strip as it always vibrates periodically.

[Interview with Dr. Anirban Bandyopadhyay](#)

**PROCESSES WHICH INCREASE ENTROPY: "EMIT TIME"
"RIGHT HANDED TORSION"
ENERGY OR ORDER LEAVING THE SYSTEM**

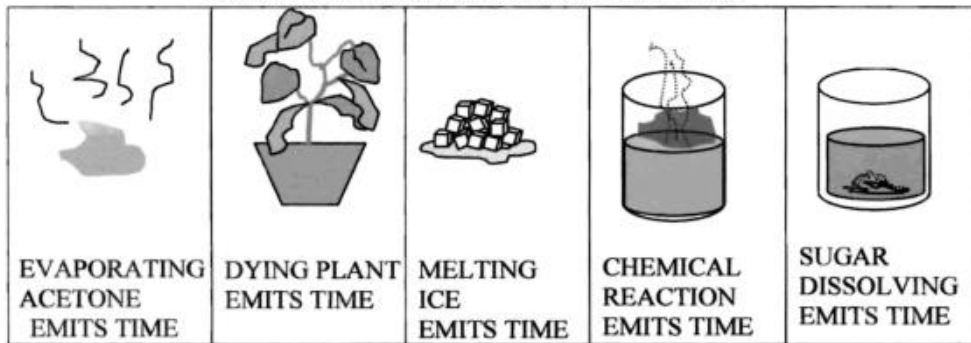


Figure 10. Examples of processes which "emit time," in which entropy increases and right handed torsion or "negative od" is produced. By definition, in such a system order is being lost and therefore "time density" is decreasing.

**PROCESSES WHICH DECREASE ENTROPY: "ABSORB TIME"
"LEFT HANDED TORSION"
PUTTING ENERGY OR ORDER INTO SYSTEM**

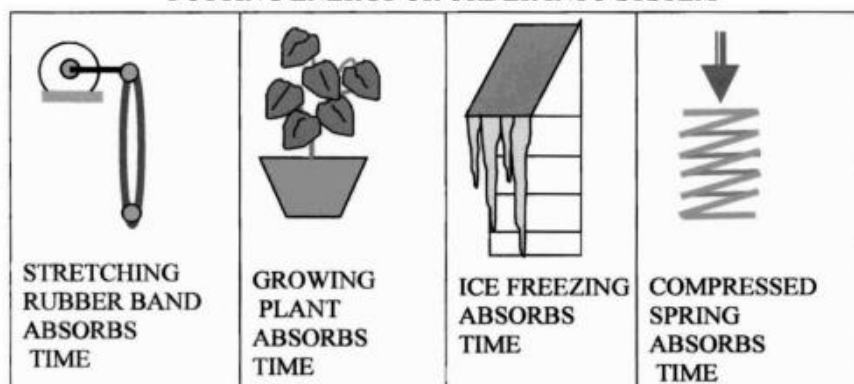
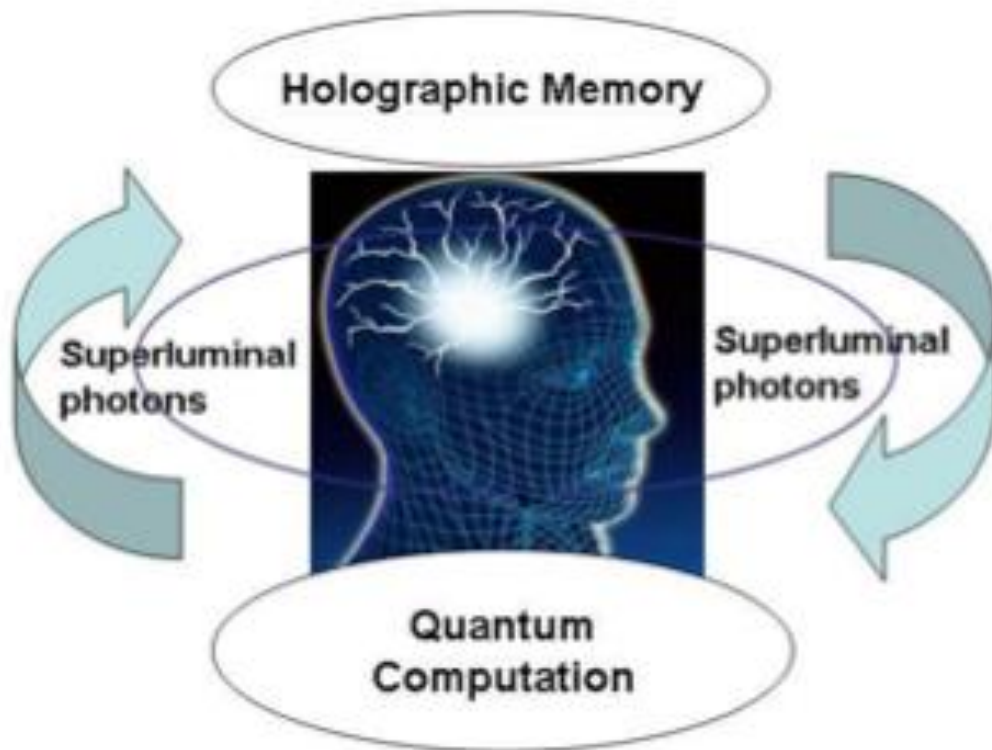


Figure 11. Examples of processes which "absorb time," in which entropy decreases and left handed torsion or "positive od" is produced.

Kozyrev found that there are many processes which naturally produce torsion. He concluded that processes in which entropy is increasing produce right hand torsion. Acetone evaporation, a dying plant, melting ice, chemical reactions are a few examples. These are illustrated in Figure 10. Some processes do the opposite. They decrease

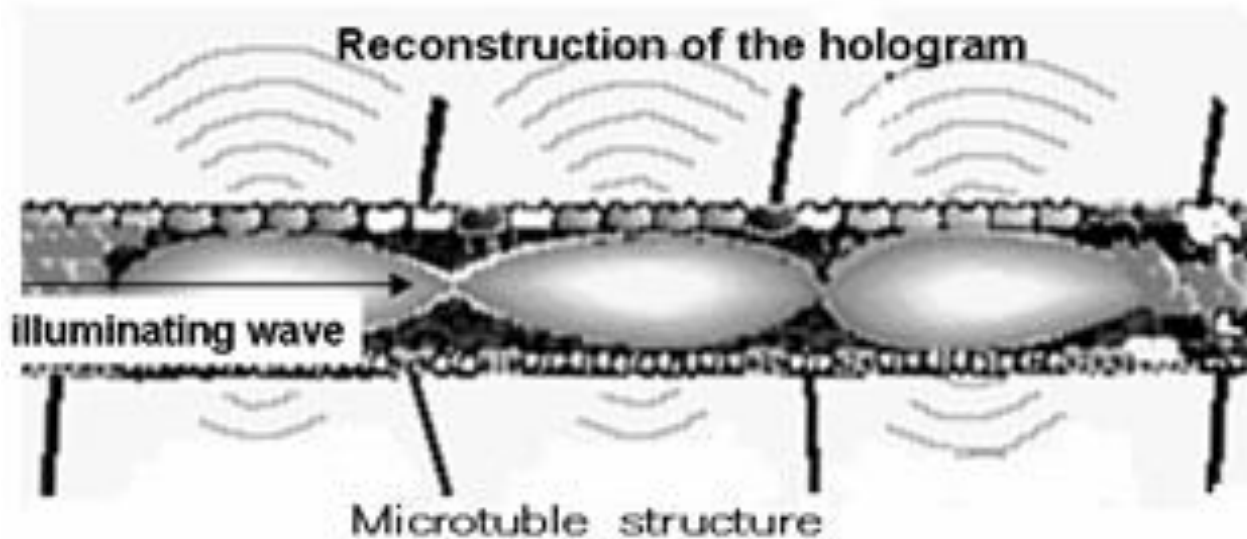
[Claude Swanson Ph.D. on asymmetric time-frequency energy as secret of spirit paranormal Chi or Prana](#)

This, science is now discovering, was the true secret of ancient "magic" of shamanism.



Dr. Luigi Maxmilian Caligiuri and Dr. Amrit Sorli:

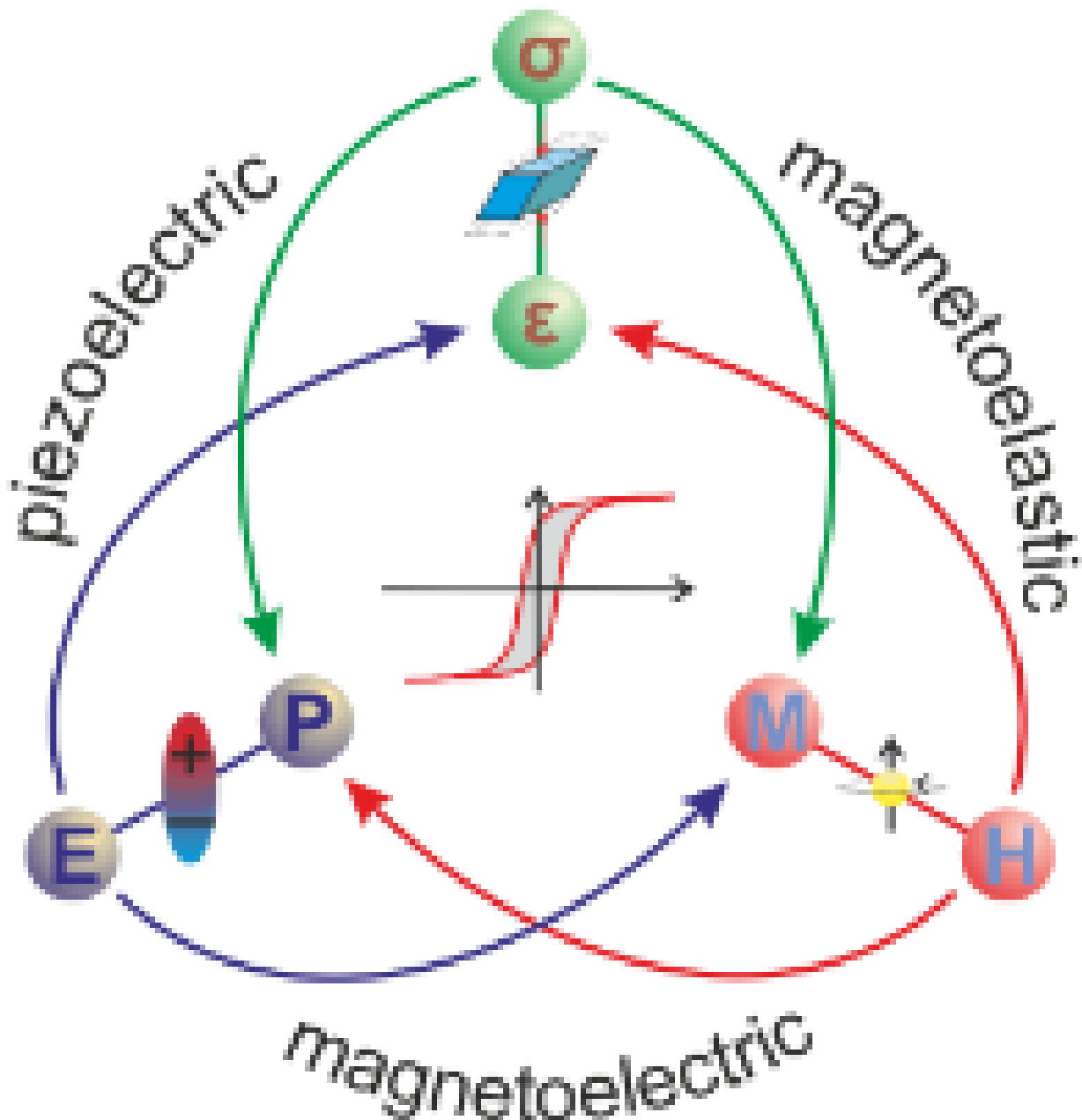
the external electromagnetic field created by the piezoelectric microtubules interacting with the water then is it possible to create this superluminal virtual photon field - that has an evanescent mode (reverse time) from the subharmonic within the tubulin - and this evanescent tail - the pilot wave - then extends outside the microtubule so that it enables a macroquantum supercoherence state.



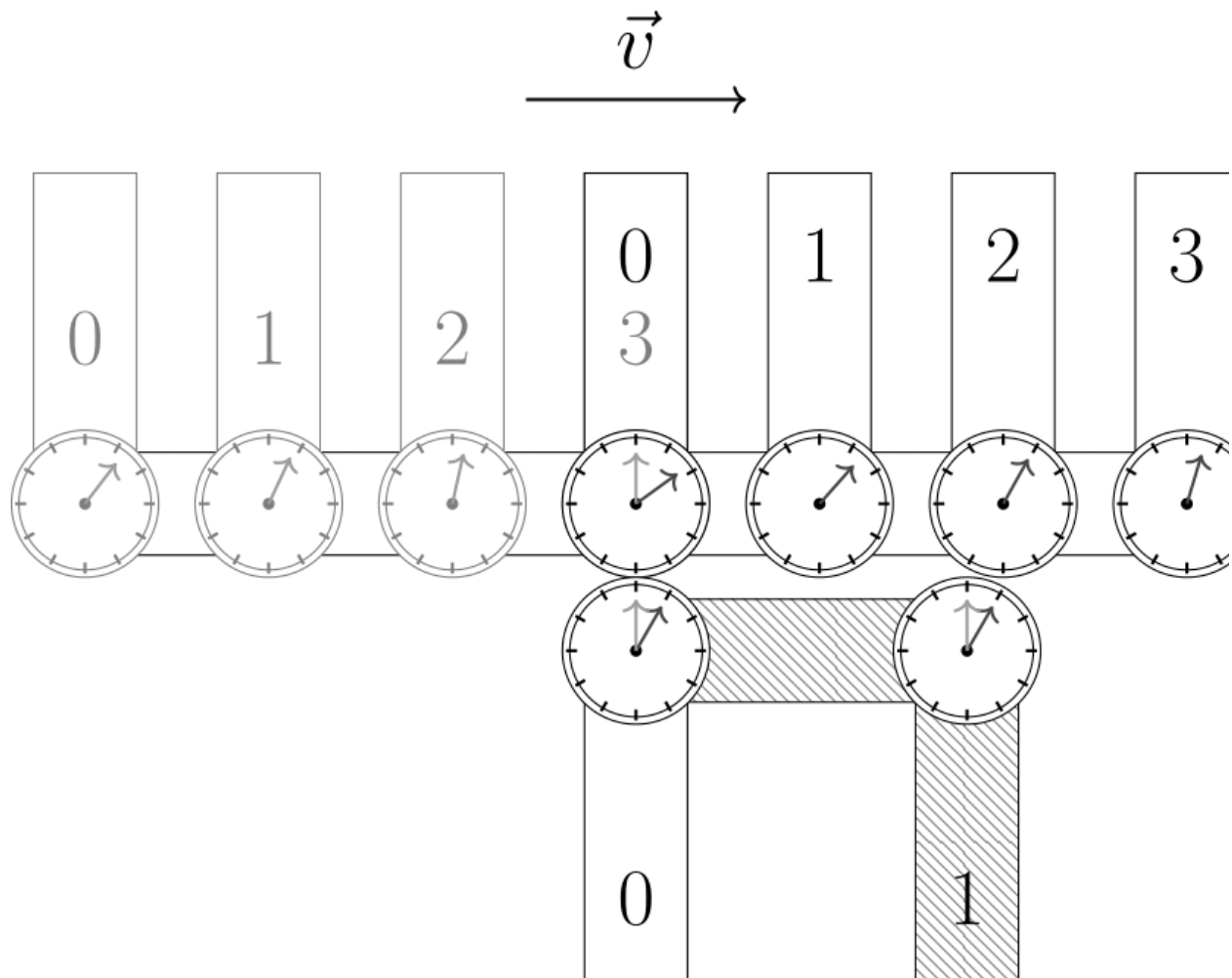
superradiant photons, generated inside the coherence domains, to have a wavelength much smaller than the length of a moderately sized microtubule in brain - the characteristic of a negative refractive

index, in which the generation of evanescent photons is enhanced, and they can propagate lossless inside the neurons - the guided readout wave propagates in the same direction as the reference wave during recording as shown in Fig.3. It is diffracted by the hologram structure and the object field can be reconstructed. This is the mechanism of holographic memory of the brain.

Professors Pierre Deymier and Keith Runge: "[We first introduce the concept of a phase-bit based on the fermion-like \[spin1/2\] behavior of phonons in some elastic structures as an analogue of a quantum bit \(qubit\).](#) The analogy with the notion of spin suggests the possibility of developing quantum information technologies based on superposition of elastic waves....



By considering media that mix different types of waves, the book addresses the interaction of sound with other physical and biological waves but also brings to light examples of extrinsic processes that can lead to symmetry breaking. The coherent conversion of sound into other types of waves as well as the sound-induced non-conventional topology of elastic, electronic, spin and biological waves are presented in the case of media exhibiting elasto-electronic, photo-elastic, magneto-elastic effects and biological mechano-transduction....The superposition of elastic states... is therefore measurable without wave function collapse in contrast to what would be the case for the superposition of states of a true quantum system....



Sonic Relativity reveals emergence of gravity from macro-quantum quasi-particles

[Foundations of Physics pdf - published August 2017](#)

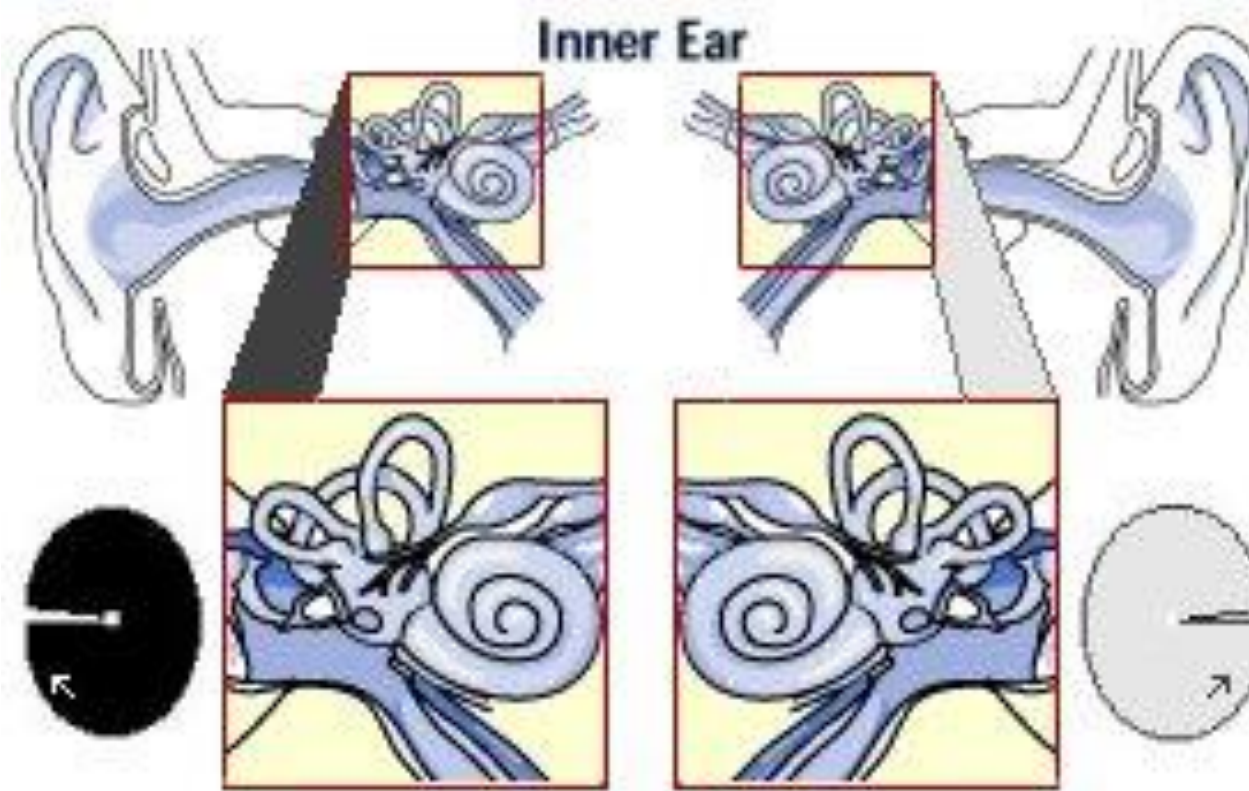
Sonic Clocks and Sonic Relativity:

It is worth noting that if we had access to devices that were built from quasiparticles [macroquantum phonons] made up from the medium itself, then sonic relativity would emerge naturally.

Professors Pierre Deymier and Keith Runge: it's based on a phononic structure that basically supports sound waves instead of electronic waves or quantum waves. And what happens, so we do not need a quantum system, so we don't have the problem of quantum decoherence. So we can avoid that drawback, by working with a quantum analog and our systems are acoustic quantum analogs of qubits. We call them Phi-Bits. So they exhibit the same capabilities of having superposition of states but they do not have the drawback of decoherence. They are stable. The Tech Foundation funds research that will not be funded by traditional federal sources, for instances, so we had to demonstrate that places like the National Science Foundation would not fund the research because it's too out there, out of the paradigm, it's too revolutionary for them to fund....we have three years of research, we have to demonstrate a set of phi-bits, to operate a well-known quantum algorithm...so have a tabletop system operating."

Qigong Master Chunyi Lin <http://springforestqigong.com> teaches Small Universe meditation alchemy

Not only was it based on quantum biology but paranormal spiritual powers were the basis for humans to live with no warfare, no rape, no masturbation and no homosexuality, as the original human culture, the San Bushmen from 100,000 years ago. So for males the left hand is yang while lower body is yin while right hand is yin and upper body is yang. This turns the body into a macroquantum harmonic oscillator as the secret of the "crouching tiger, hidden dragon" of Tai Chi. Originally called N/om, documented as a cave statue 70,000 years old, as sacred snake kundalini female lunar psychic energy of the third eye.



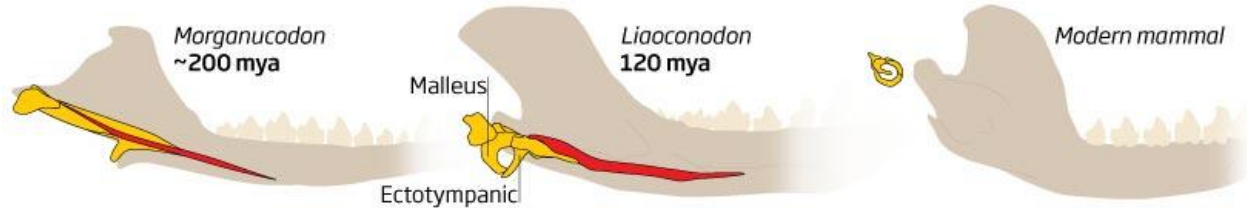
Right and Left Ear listen faster than Fourier Uncertainty or time-frequency uncertainty as noncommutative phase quantum coherence through ultrasound resonance of microtubules

In other words before human language was developed, already music meditation as alchemy was the central core of what enabled early humans to survive the Mt. Toba supervolcano explosion that cooled the earth, just as the asteroid that had wiped out the dinosaurs 65 million years ago, had enabled small mammals to survive. Our first primate ancestor, the tree shrew, used its flexible middle ear muscle and bone, what identifies mammals, to accentuate and focus the ultrasound energy for internal acoustic cavitation quantum negentropic force.

Evolving ear bones

©NewScientist

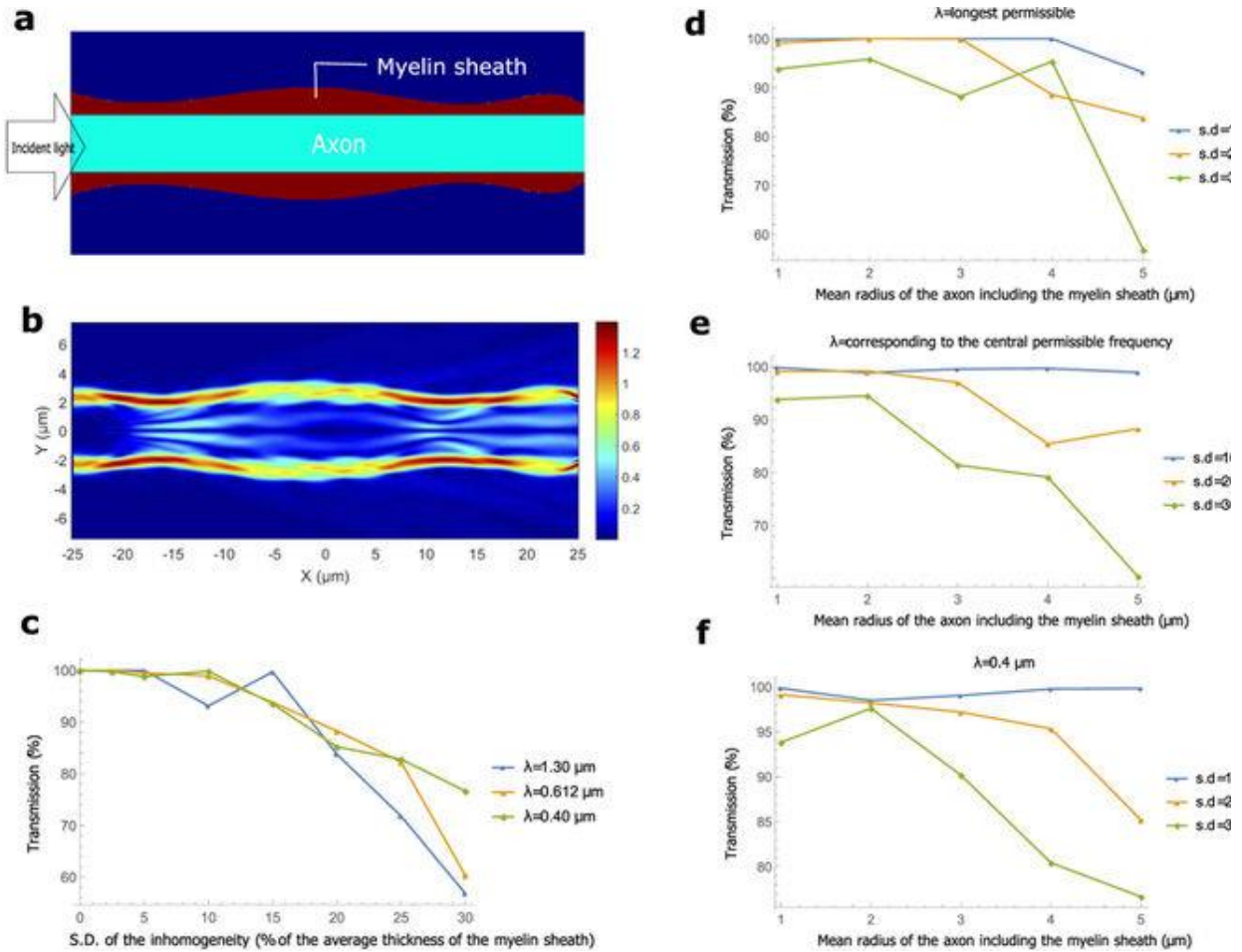
The middle ear bones (yellow) were supported by the Meckel's cartilage (red) as they moved from jaw to ear



Flexing the middle ear "quantum drum" muscle of the right and left ear, focuses in the highest pitch heard externally, resonating the brain as a whole through ultrasound quantum coherence acoustic cavitation sonofusion force.



The "jaw bone" of the tree shrew is now our middle ear detached bone and muscle and so just as rats and mice use ultrasound for a kind of x-ray vision, like bats and dolphins, so too is "proprioception," aka the "sixth sense," our original sonofusion access to the protoconsciousness of the Universe.



The biophotons are quantum coherent, guided by noncommutative phase 5th Dimension virtual frequency-time (negative frequency, reverse time, positive momentum)

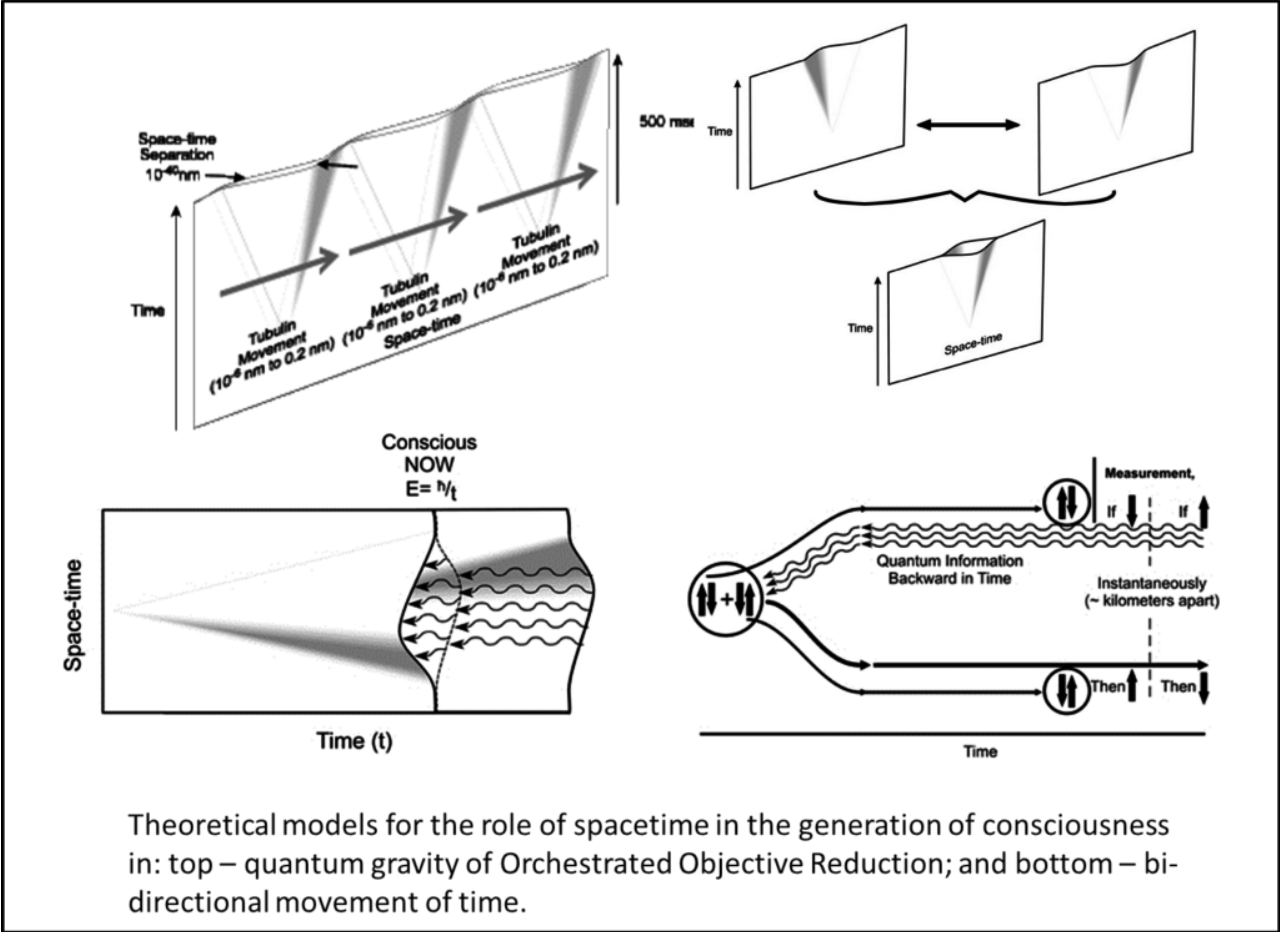
– we modern humans for the last 10,000 years, have increasingly lost the secret. Now a days only literally a handful of humans are masters of this meditation music alchemy ability – with their third eye fully open as conscious resonance of their biophoton coherent spirit which then "turned around" to zero time causes a reversal of momentum and wavelength, as Louis de Broglie discovered with his Law of Phase Harmony relativistic quantum origin of what is now known as quantum mechanics.

[Non-Locality Causality and Aether in Quantum Mechanics](#)

adsabs.harvard.edu/full/1982AN....303...55V

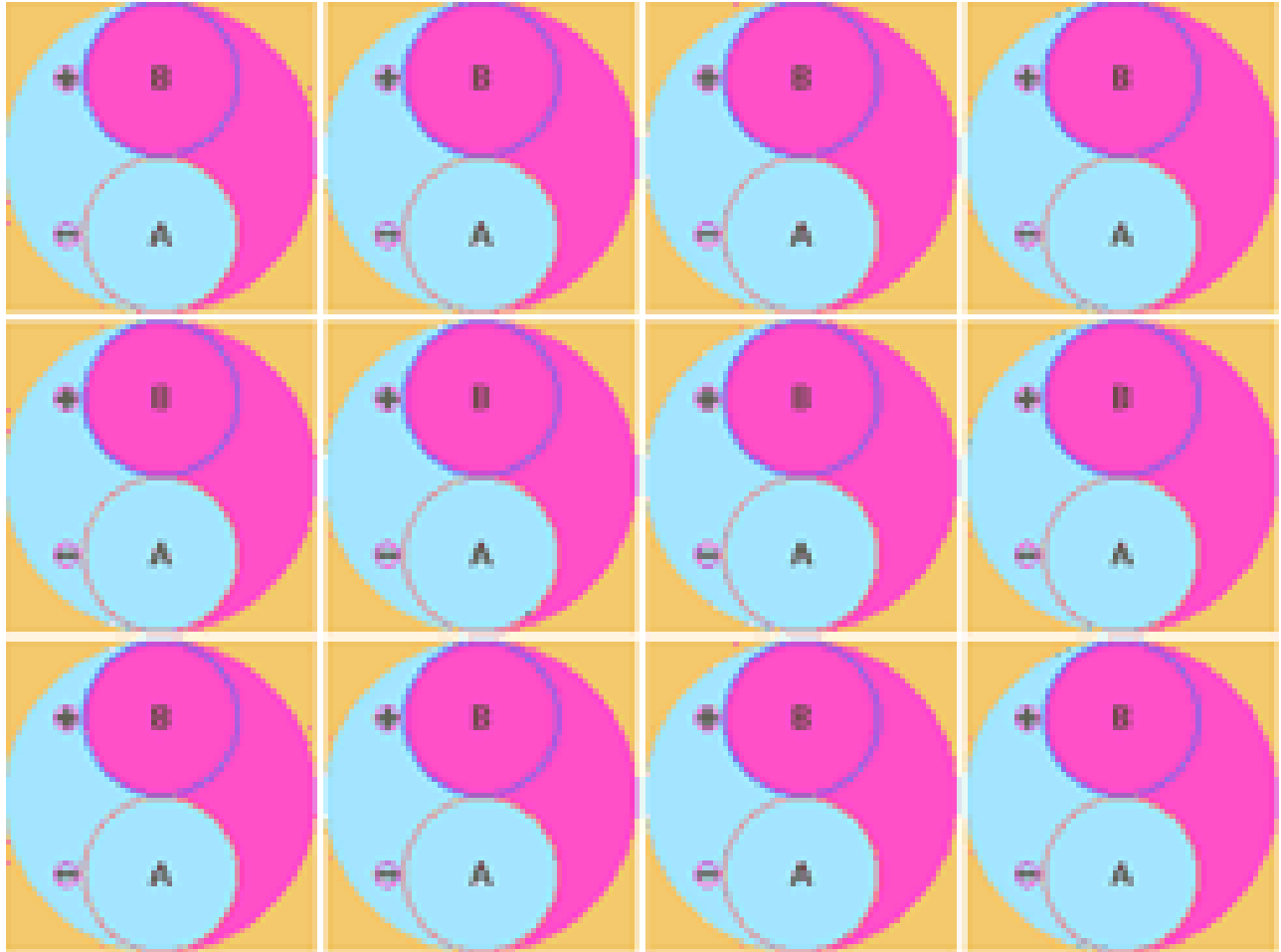
by JP Vigier - 1982 - [Cited by 104](#) - [Related articles](#)

Nachr., 303 (1982) i, 55-80 ~ Non-Locality, Causality and Aether in Quantum Mechanics J. P. VIGIER, Paris Laboratoire de Physique Theorique, Institut H. particle and the thermostat's elements in the usual Brownian motion) are now represented in four dimen- sional space-time like *hypertubes* instead of time-like lines.



Physicists acknowledge that electrons "know" their surroundings – faster than the speed of light – as a guiding wave or "ghost wave" as Einstein called it but could not accept – and later known in 1927 as a "pilot wave" that was to be dismissed for the quantum mechanics revolution to take hold. Quantum physicist Yakir Aharonov:

There is a non-local exchange that depends on the modular variable....I'm saying that I have now an intuitive picture to understand interference by saying that when a particle moves through two slits, it always goes through one slit or the other, but it knows which other slit, the slit through which it did not go, whether it is open or not, because there are nonlocal equations of motion.



Light has a spin $1/2$ or $1/2$ quantum time-frequency "hollow resonator" as noncommutative phase guide wave or hypertube of the 5th dimension ether.

The paradox is what quantum physicists call the "measurement problem" – the collapse of the wavefunction through observation depends on light as a linear operation of time and frequency that is noncommutative. That means the order of measurement changes the value of time and frequency as what quantum physicists call a "spin $1/2$ " or "half quanta" measurement with only a 720 degree symmetric resolution. **each particle has both positive and negative angular momenta (spin) at the same time as noncommutative phase.**



Secret of Tai Chi as Neigong, quantum physicist Eddie Oshins discovered, is noncommutative phase

Quantum physicist at SLAC (Stanford Linear Accelerator Center) Eddie Oshins discovered that the "Double Covering of Palms" move in Ba Gua or Pa Kua Chang and also Pencak Silat is the same as the 720 degree noncommutative quantum spin.

This representation only works for the (more fundamental) $1/2$ -integral representations (i.e. spinors/turns/quaternions) but also lets one build the vector and tensor representations. The converse does not hold....this property of "noncommutativity" in itself might be valuable in some way.

My claim, and original idea, has been that this is circumnavigating a T'ai Chi (Yin/Yang) symbol! More recently (Oshins, 1993b) I have suggested that this proximate technique can be used to realize Wing Chun kung-fu's "bong sau/tan sau" movement out of the Kauffman/Oshins "quaternionic arm" discussed and referenced below in end note 5.

I believe that this may be a way to get mind to code the relative relationship of part of oneself with respect to the rest of oneself (self-referential motion) and can explain the concepts of being "centered"/"one"/"integrated"/"extended"/"whole" etc. which one strives for in meditation.

Oshins, E. (1993). [A Test for Classical Psychospinors.](#) (pdf) In Abdullah, F. (Ed.) *Conservation and Invariance*. Cambridge, UK: Alternative Natural Philosophy Association, London England.

Nonlocalized Generation of Correlated Photon Pairs in Degenerate Down-Conversion
 Kayn A. Forbes, Jack S. Ford, and David L. Andrews
 Phys. Rev. Lett. 118, 133602 – Published 30 March 2017

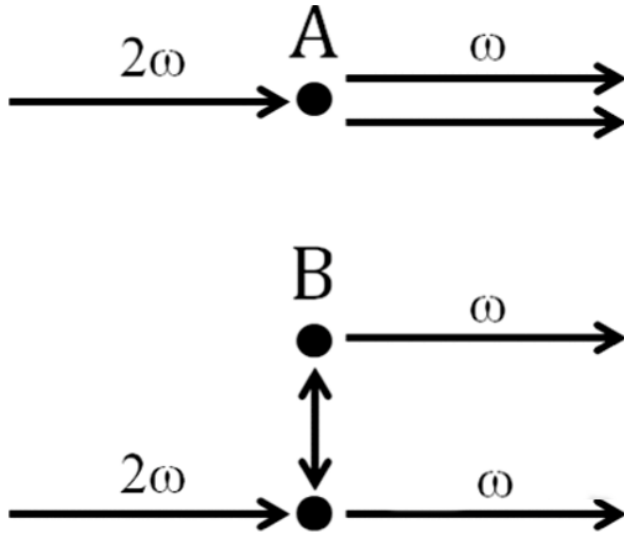


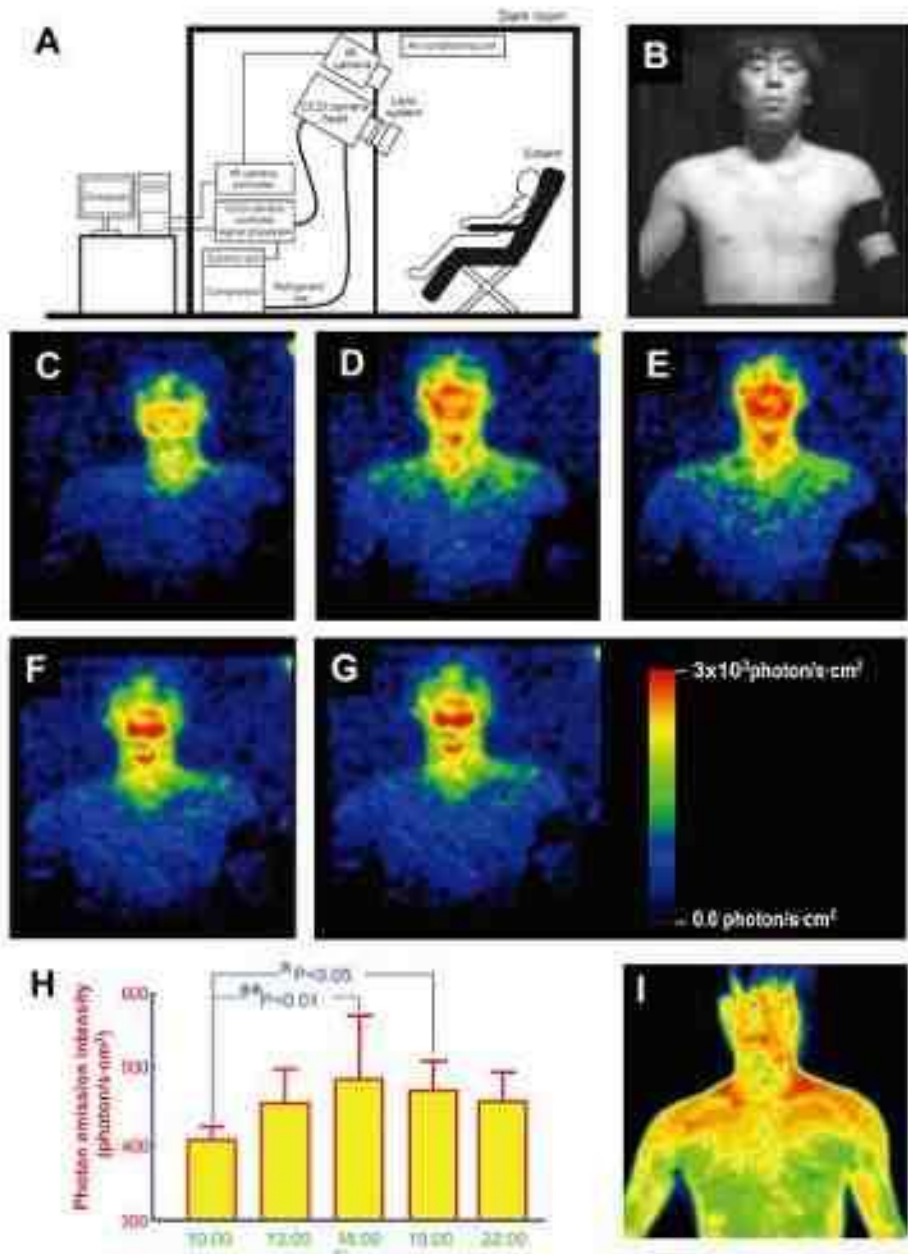
Figure 1

Schematic for two SPDC mechanisms. Above: Photon annihilation and both photon creation events are colocated at *A*. Below: The annihilation and one creation occur at *A*, the other creation event at another location *B*. Points *A* and *B* are coupled via virtual photon exchange, indicated by the double-headed arrow. In the full calculation, all time orderings are taken into account, and the positional geometry is arbitrary.

a new delocalized mechanism shows that each photon pair can be emitted from spatially separated points - the 5th dimension of light is proven experimentally. Nonlocality is from spin 1/2 as noncommutative phase.

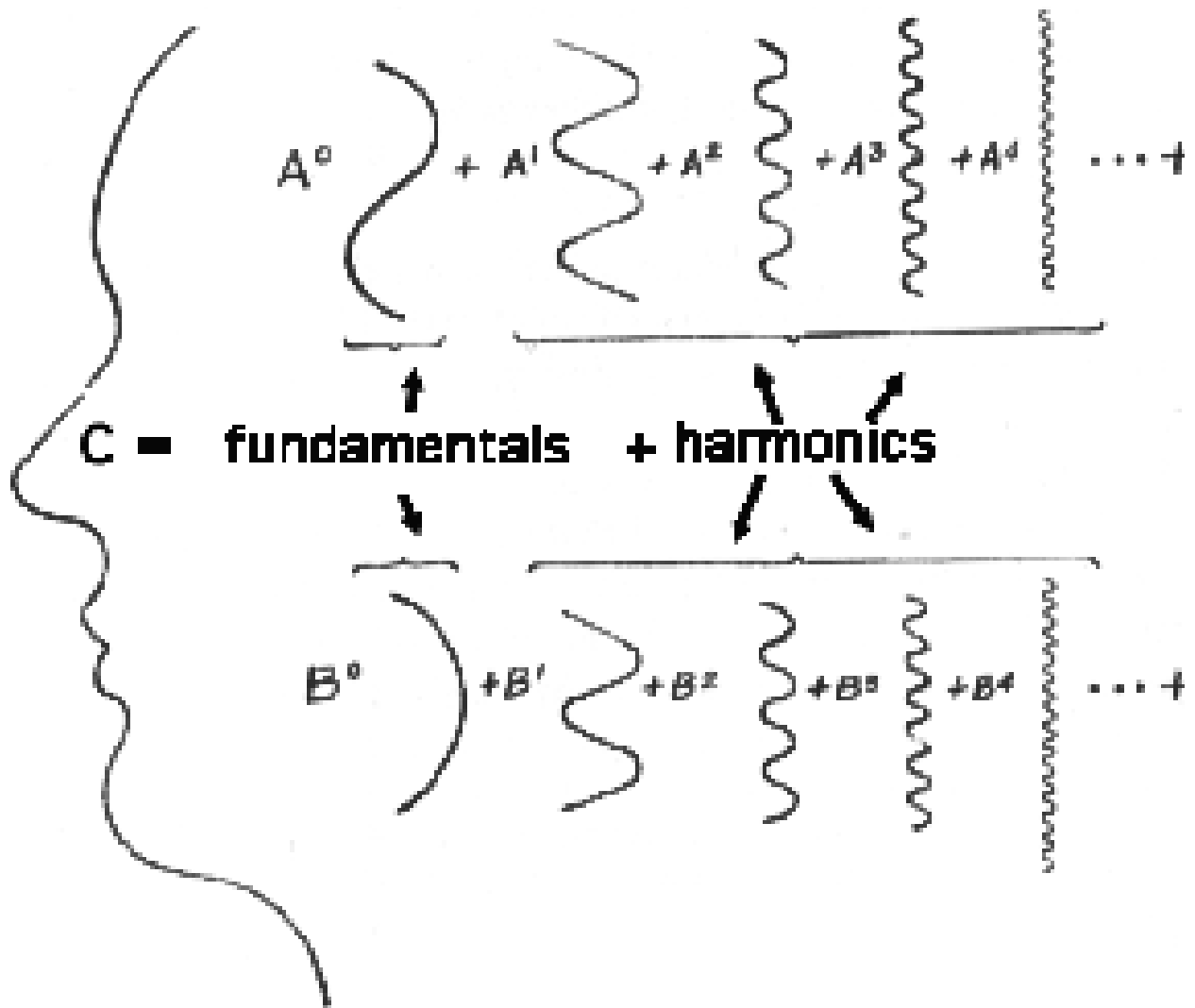
"a significant impact to the basic understanding of quantum physics!" Sept. 2017, Forbes, K. A. and Andrews D. L. "Optical Orbital Angular Momentum: Twisted Light and Chirality." Optics Letters (in press) (2018)

Western science as the "Greek Miracle" from Plato and Archytas, has been based on symmetric mathematics, then rediscovered by John Scotus Erigena, the NeoPlatonic philosopher advisor to the Carolingian Empire, and spread by Marsilio Ficino to then launch the modern science miracle of Galileo, Kepler and Newton. The funny irony is, as math professor Luigi Borzacchini discovered, is that Western math is from music theory that got covered up, as a "negative judgement paradox" – something that Borzacchini calls "really astonishing" and "shocking" and created a "deep pre-established disharmony" that secretly "guides the evolutive principle" of modern science.



Humans are proven to emit biophotons as aura

Another scientist, Esther Watson, daughter of the famous inventor, called this secret music principle guiding Western math and physics, "the music logarithmic spiral." And M.I.T. historian of science professor Arnold Pacey admits that music provides the best metaphor to explain science as a whole.

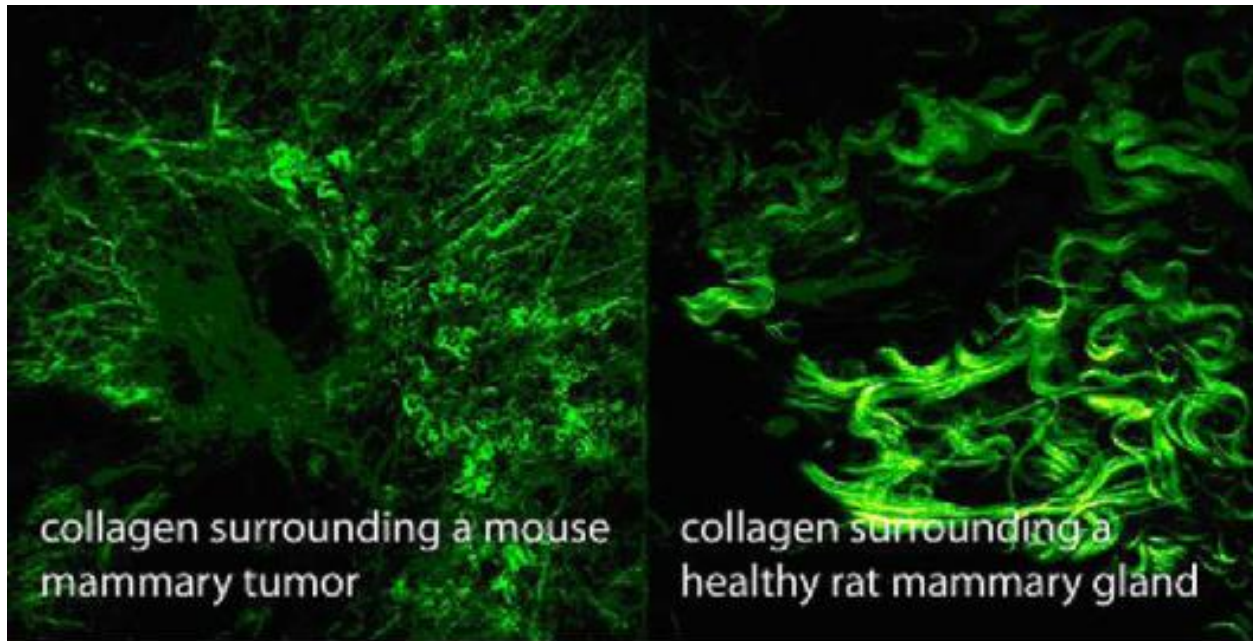


Fourier Analysis, although using complex numbers is still symmetric math, so not spin 1/2 or spinors as noncommutative quantum phase.

As math professor Ralph Abraham has detailed – it is the harmonic wave equation that was the first riddle fixated on by the early Enlightenment scientists, like d'Alembert, and Euler, and the Bernoulli family and then finally by Fourier, whereby all of math and physics can be modeled by sine waves.

“In fact, the known physical fields – electric, magnetic, gravitational, nuclear and so on – are all modeled, in mathematical physics, by the same abstract field, known to mathematics as the d'Alembertian wave equation.”

Ralph Abraham, “The New Sacred Math,” *World Futures*, 62: 6-16, 2006. Jean D'Alembert emphasized music theory as the secret model for reality. Christensen, Thomas. “Music Theory as Scientific Propaganda: The Case of D'Alembert's *Éléments*[sic] De Musique.” *Journal of the History of Ideas*, Vol. 50, No. 3 (Jul.–Sep., 1989): 409-427.



Quantum coherence harmonics of biophotons in microtubules of collagen, the most common protein of the body

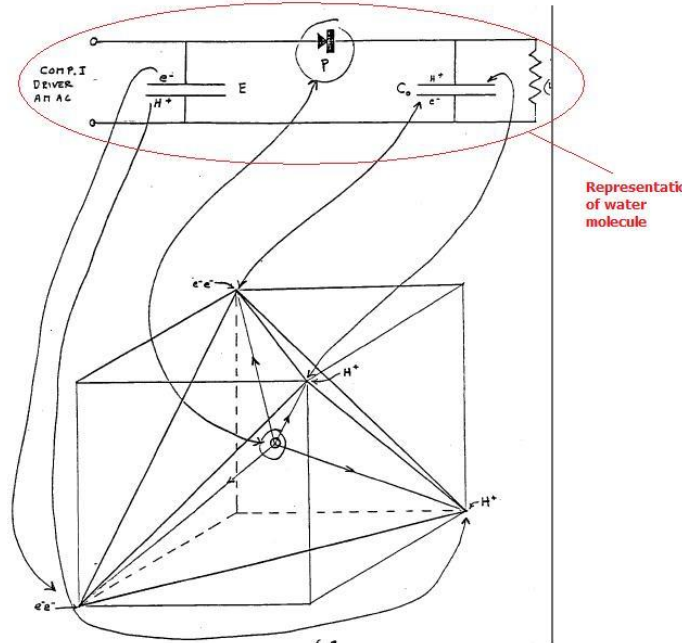
But in music the irony is that the pure sine wave cannot be music and so there has to be overtones for proper timbre or quality of pitch to develop. When we listen to music there is a synesthesia – we have multiple senses activated along with memory. It is now proven by science that frequency perception of music is right-brain dominant, as is visualization whereas time perception is left brain dominant, as is language learning and speaking.

Each cell emits 100,000 photons per second...

But the oldest human language on Earth, the San Bushmen, from which all modern humans come from, is also the most sophisticated language on Earth and also the most musical language – the most "tonal" with the most changes in frequency and pitch.

TABLE 2.
 PRINCIPAL PHASER PARAMETRIC HARMONICS
 INVOLVED IN SPLITTING THE WATER MOLECULE

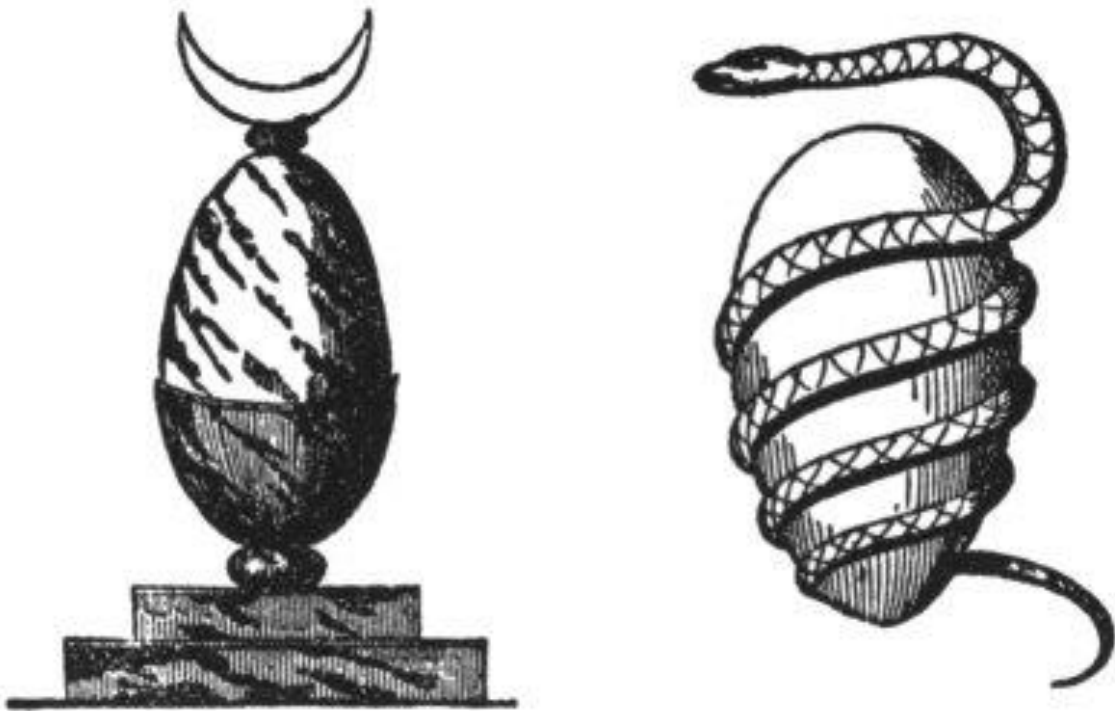
FREQUENCY, Hz	TARGET
0.125 Hz (3) 0.125 Hz x 7th Harmonic = 8.00 Hz	PROTON, NMR
$0.125 \times 2^{12} = 2^9$ Hz (2)	PHONON-HYDRON = f_0 (Conductivity term)
$2^4 \times 2^{(12+1)} = 2^{12}$ Hz (1)	ELECTRON (DIELECTRIC TERM)
3×10^{14} Hz TO 4×10^{14} Hz	PHOTONS - IR (Coherent)
8×10^{14} Hz to 3×10^{17} Hz	PHOTONS - UV (Coherent, H ∞ line)



Dr. Andrija Puharich discovered ultrasound splits water with an ELF subharmonic as reverse time energy - phonons

And so our human language used to be based on synesthesia with something called the "hypersonic effect" taking dominance. This means, as scientists have proven, there is a nonlinear feedback by listening – and the highest pitch we hear externally actually resonates the brain as a whole as ultrasound.

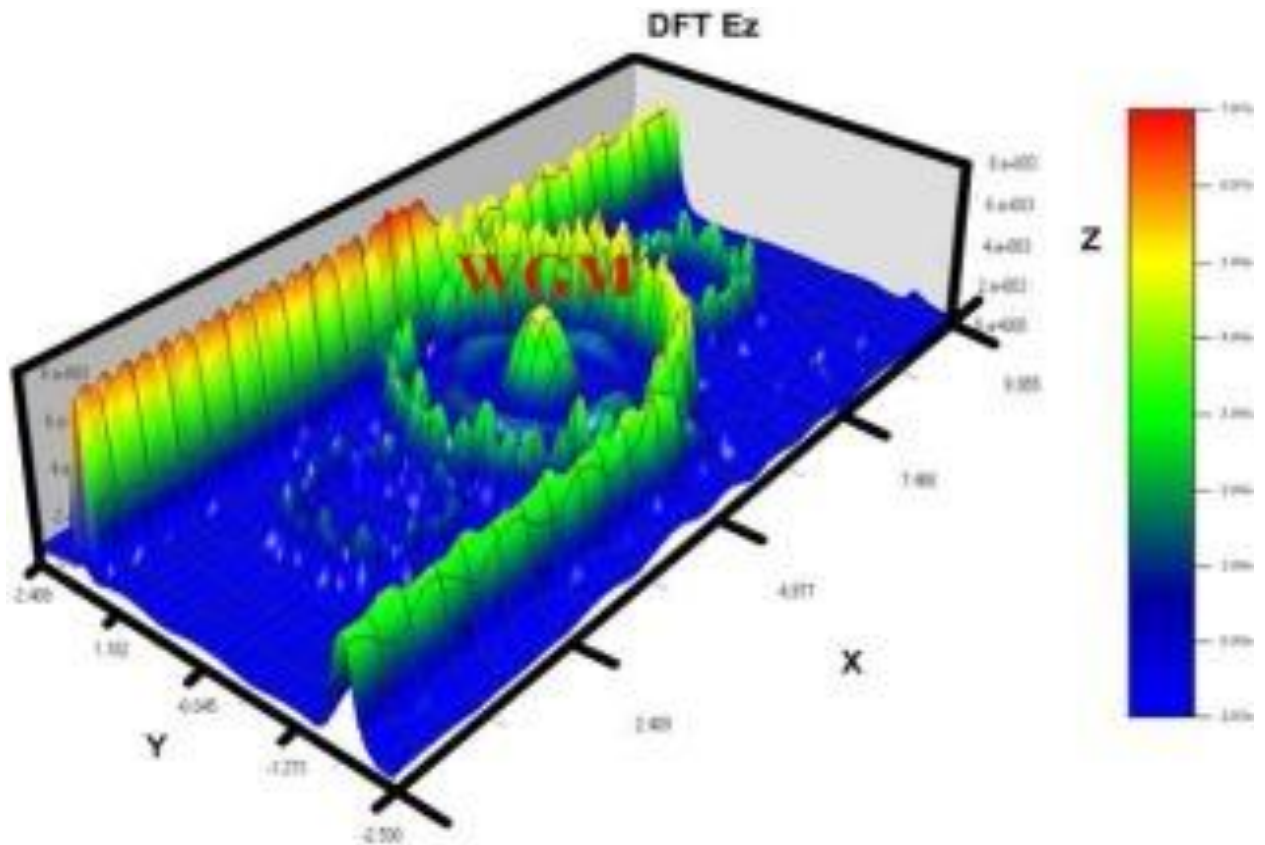
Fig. 81.



**Sacred Egg of Heliopolis; and Typhon's Egg. . From BRYANT'S
Mythology, vol. iii. p. 62.**

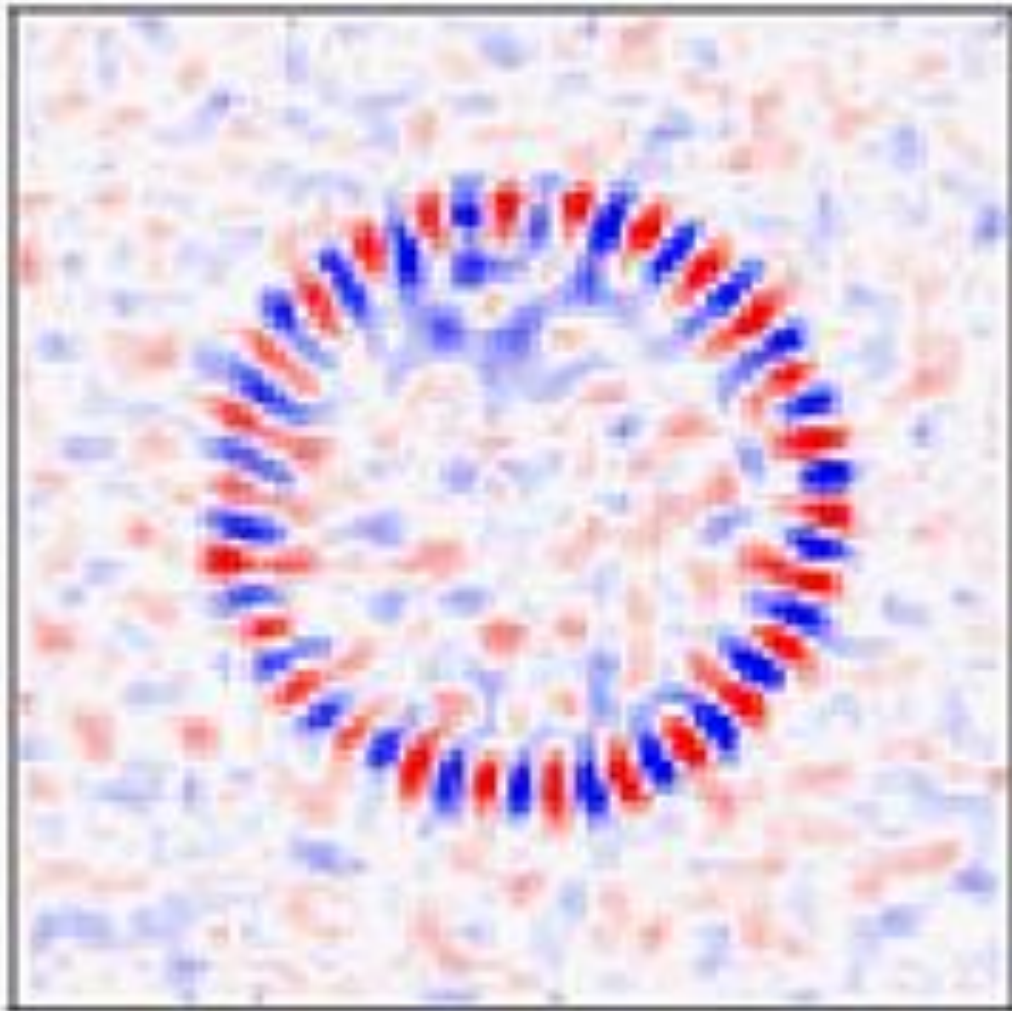
Fifth-century Orphic cosmogony had a "Womb of Darkness" in which the Wind lay a Cosmic Egg whence Eros was hatched, who set the universe in motion...as the alchemical stupa of ancient blacksmith secret - the Lunar Blue Moon 4-phase cycle of the Menses (month as menstruation pineal gland third eye psychic Tai Chi energy).

Ultrasound then is the means of proprioception by transducing protein resonance into electromagnetic energy resonance.



Whispering Mode Gallery of the Panda Ring and Microtubule recreates Čerenkov radiation with superluminal phase wave that causes electrons to emit light and drop to their ground state

Acoustic cavitation of when light is turned around is noncommutative phase as the phonon energy of the ether.

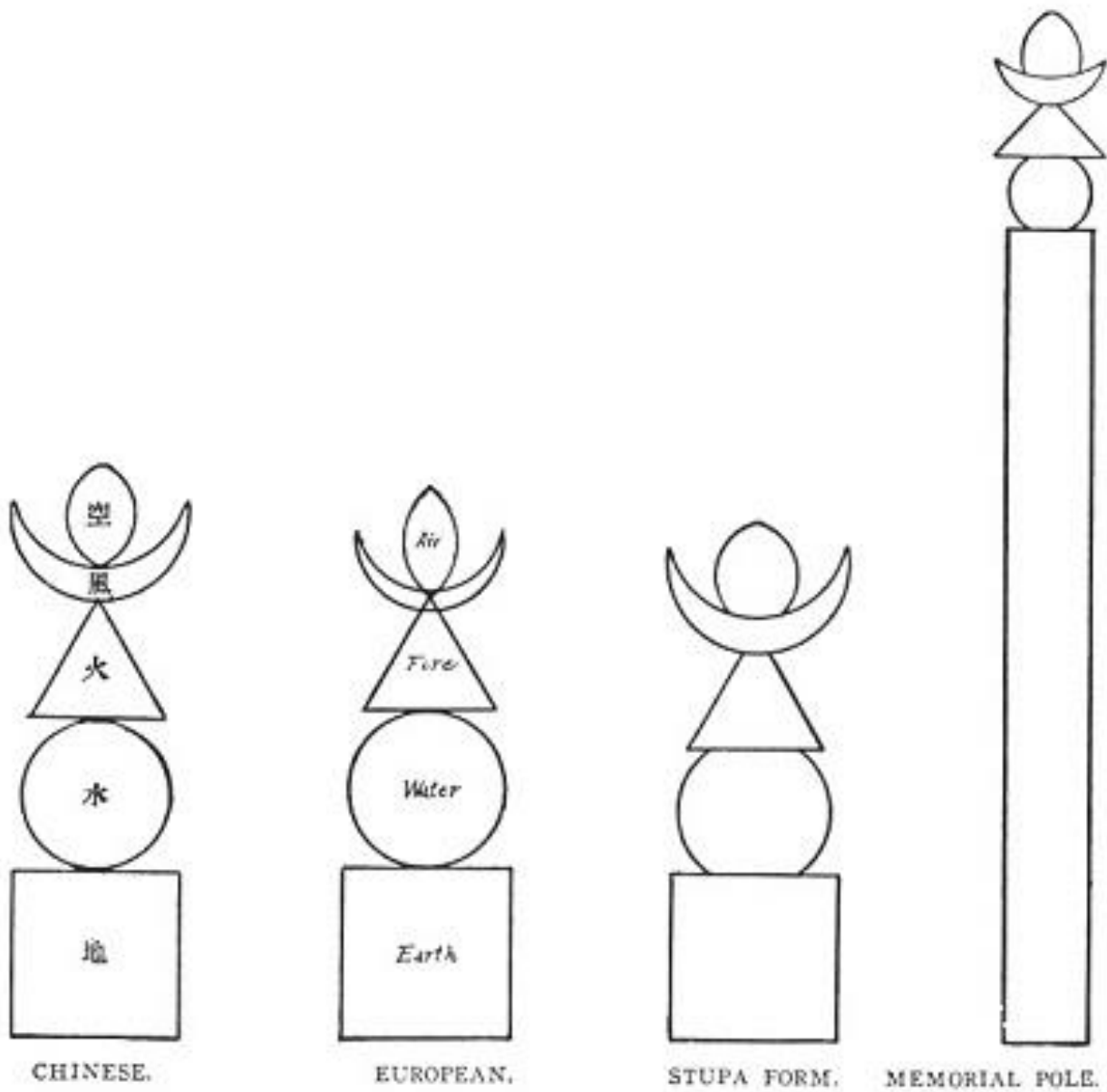


760 MHz

The light of a Whispering Mode Gallery pulses as it flashes in noncommutative phase with the 5th dimension, in both directions at the same time.

In a Whispering Mode Gallery, the waves travel in both directions at the same time. P.P. Yupapin, quantum biologist of Buddhist meditation, calls this noncommutative phase reversal of time-frequency light:

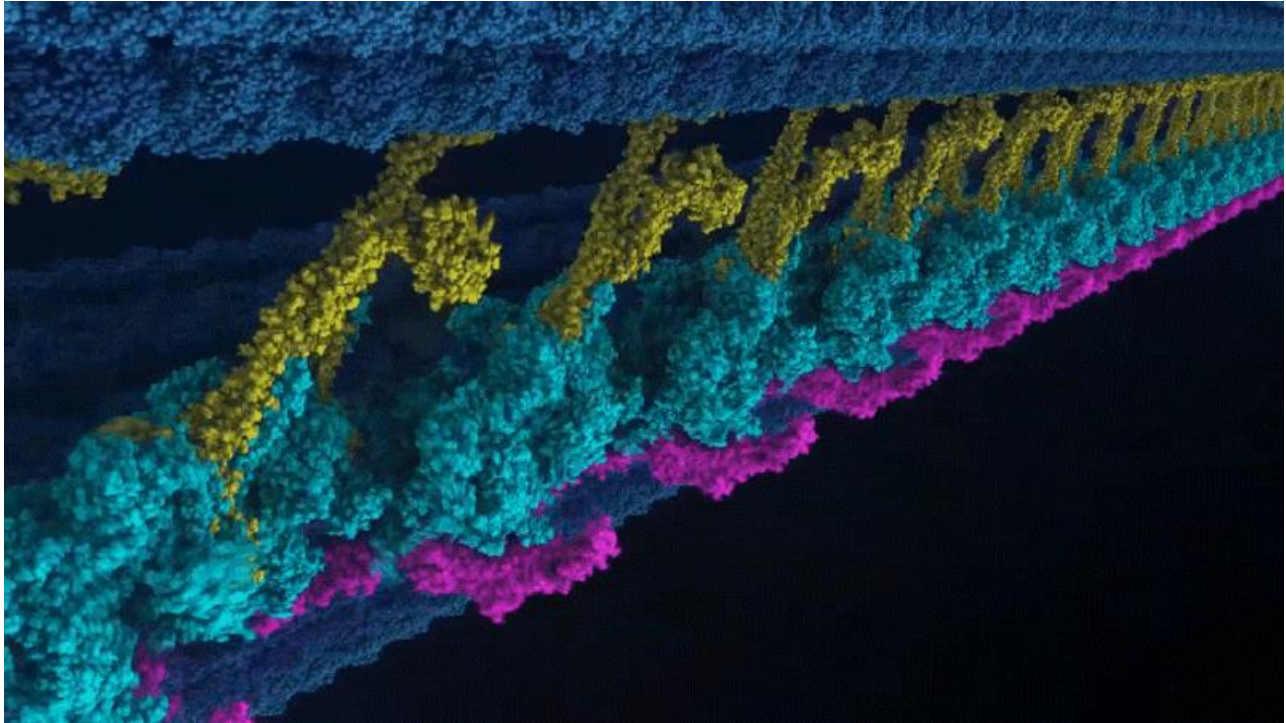
"cross-phase modulation" as the Whispering Gallery Mode....The two important states of meditation and mindfulness are the spirit oscillation time (change of t) and spirit energy (change of frequency) approached zero, in which the spirit concentration and mind perception are taken place, where finally, the meditation and perception are established....sub-zero [reverse time] energy state is occurred which is the live nirvana, where the spirit is oscillated by minimum energy, the harmonic oscillator..



DIFFERENT REPRESENTATIONS OF THE ELEMENTS.

Alchemical Blacksmith secret of fire under water to build up steam as qi, prana, kundalini, N/om

The idea is to have phonons as macroquantum qubit resonance, through harmonic oscillating mirrors that pump photons (doubling the positive momentum with each phase conjugate pump or echo) and then store the information and convert it, through quantum entanglement, into then electromechanical energy.



ultrasound resonates the mitochondria power to the microtubules, emitting biophoton light

Dr. Andrija Puharich realized that ultrasound causes the proton-electron magnetic moment precession as a subharmonic in the ELF Schumann resonance, as the $1/2$ quantum or time-frequency noncommutative, nonlocal quantum phase energy of paranormal powers, resonating with the Schumann frequency of the Earth harmonics, as Tesla also discovered.

$1/0.125$ is the phase velocity difference between the velocities of the orbits of the proton vs. the electron.

The angular momentum of the electron stays the same but the magnetic moment (noncommutative phase spin) between the proton and electron can vastly increase.

CIA mind control scientist Dr. Andrija Puharich, *Beyond Telepathy*, (1973) discoverer of Phonon-Hydrion Psi-Plasma paranormal proto-consciousness of the Universe.

The circuit he used for mind control hearing is the same circuit used for his water splitting device.

$1/.125 = 8$ Hertz ELF subharmonic of the ultrasound splitting of water.

phonon vibrations....the precession of the proton in water....the end product is to stimulate the emission of photons.

Cornell applied physicists have demonstrated an unprecedented method of control over electron spins using extremely high-frequency

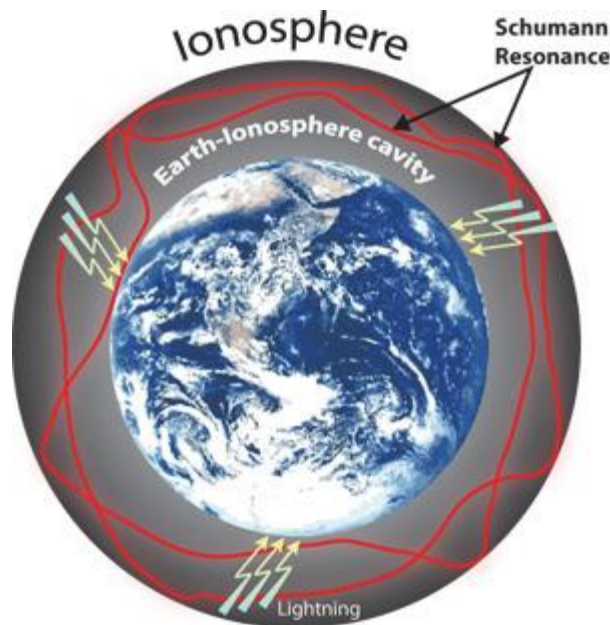
A research team led by Greg Fuchs, assistant professor of applied and engineering physics, previously had demonstrated electron spin control using a mechanical oscillator, which creates gigahertz-frequency

sound waves (audible in the kilohertz range).

They not only created spin transitions with sound, but they also used sound to coherently control the quantum state of the spin.

"We're coherently interacting this quantum thing, this spin, with something that's big and mechanical, a thing you can see with your naked eye, and that actually vibrates," Fuchs said.

[Quantum Spin via Sound waves](#)



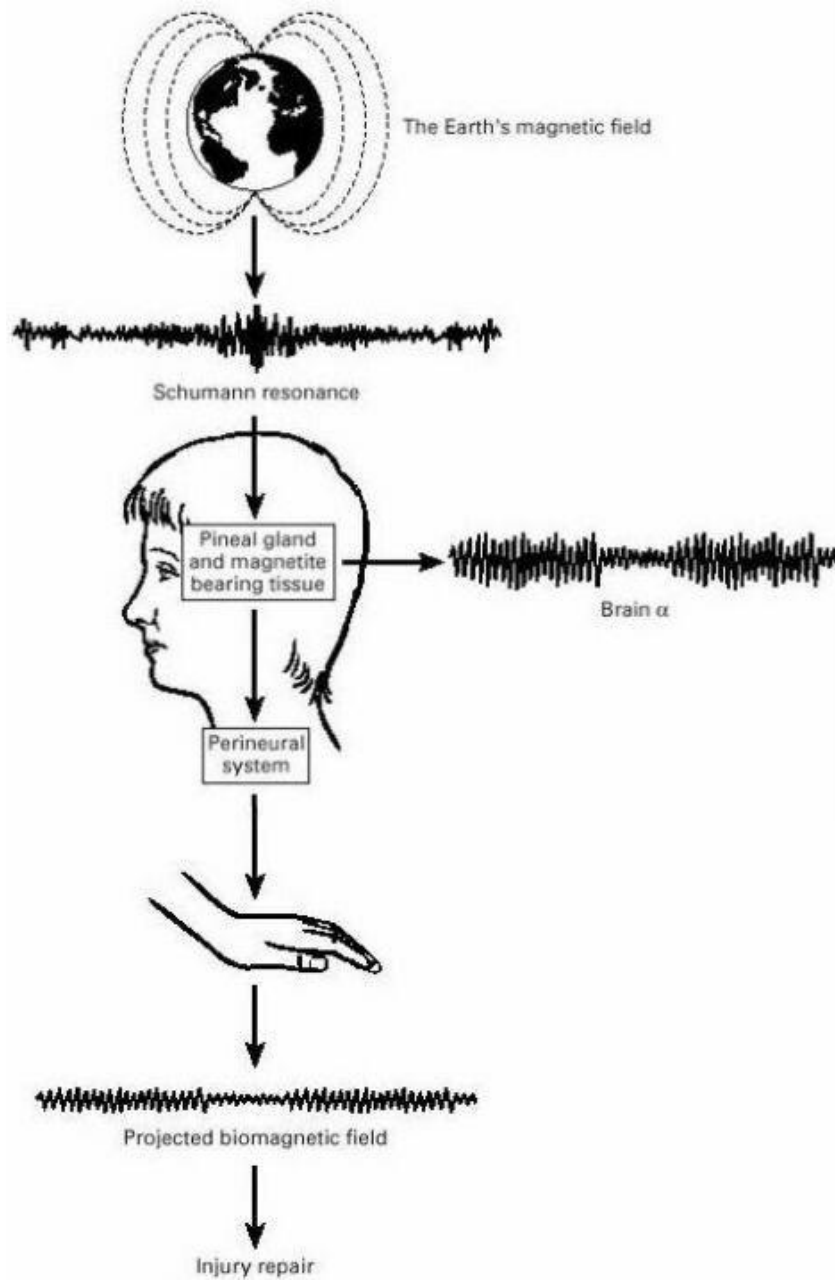
Standing with knees bent, so thigh muscles sore and legs shaking 7 to 9 times per second (most common shamanic trance drum beat), resonates with ELF Schumann of Earth, standing wave feedback

[SCIENCE and PARANORMAL PHENOMENA - CERN Document Server](#)

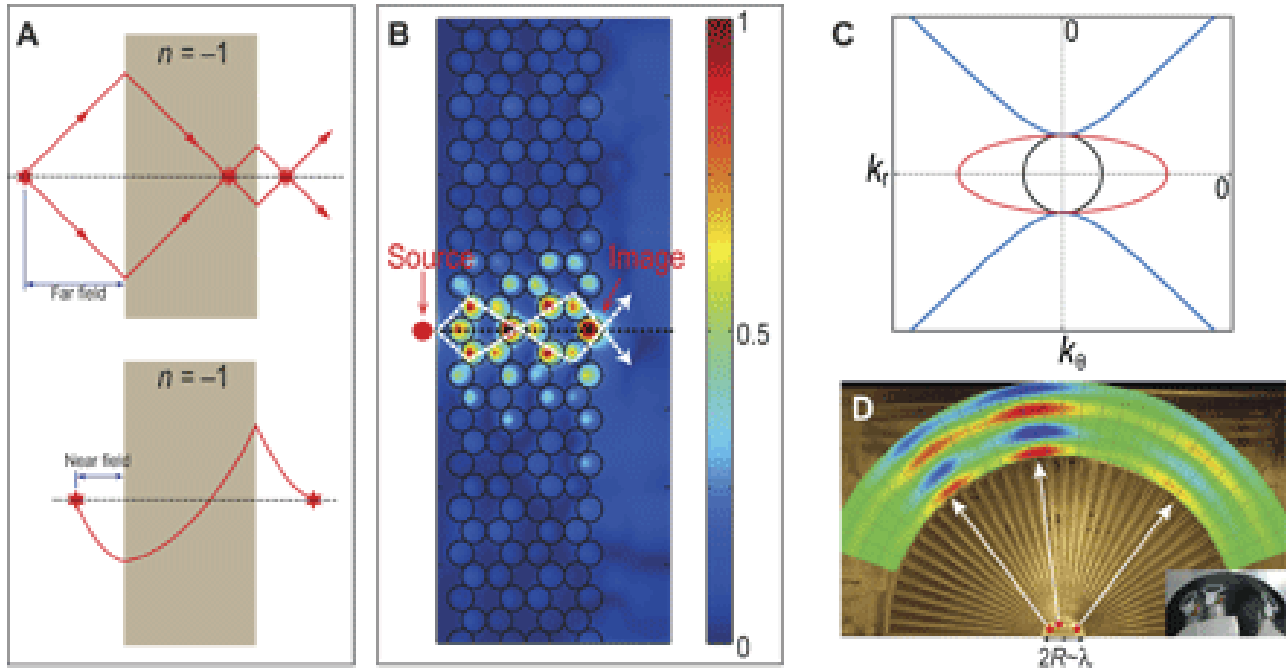
cds.cern.ch/record/404491/files/9906014.pdf

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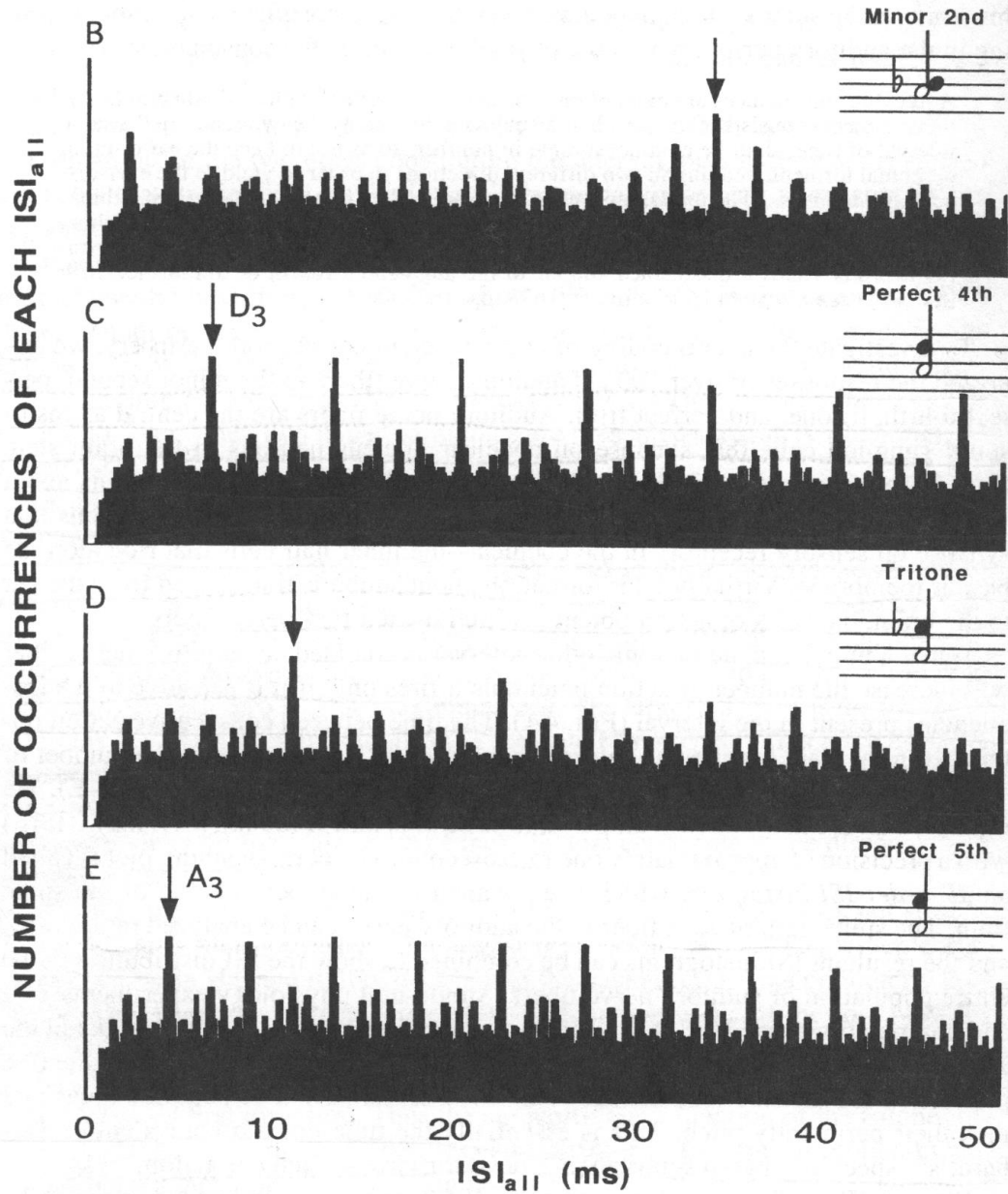
T, Noyes. SCIENCE and PARANORMAL PHENOMENA. * †. H. Pierre Noyes. Stanford Linear Accelerator Center. Stanford University, Stanford, CA 94309 ... In order to ground my approach to the study of *paranormal* phenomena, I example of the extreme non-locality of *quantum* mechanics the eternal triangle effect,.



So when we "think" – this is actually an electromagnetic wave form that then is transduced to the same wave form as a "sound wave" that we produce externally as human language.



Microtubules are metamaterial with "subwavelength" (subharmonic undertone phase) at same frequency (Perfect Fifth pitch) to create reverse time 5th dimension virtual photon energy - blue-shifted. We can resonate with this Earth consciousness as a Quantum Zeno Effect, just as birds transduce photons of blue light into "blues music" (birds choose natural harmonics), to cause a Schumann Quantum Zeno Effect that guides migration patterns. ("our findings add to a small but growing body of research showing that a preference for small-integer frequency ratios is not unique to humans.")



Electromagnetic amplitude brain resonance strongest from Perfect Fifth/Fourth/Octave

But since the oldest human language is the most musical, in fact the strongest amplitude resonance of electromagnetic energy in our brain is caused by music harmonic tones, known as the Octave, Perfect Fifth and Perfect Fourth. This, as Puharich realized, activates the vagus nerve through what he called the Phonon-Hydrion Effect, thereby increasing serotonin through alpha-theta brain waves and for the same reason blue light increases serotonin levels.

Alpha Waves

- Relaxed alertness- 8-12 cycles per second
 - Facilitates learning and heightens memory
 - (Baroque Music with 40 – 60 beats per minute- Adagio)
This music tends to slow down respiration, heart rate, and reduces stress.

The "Mozart Effect" in music works the same way, the 60 beats per minute resonates the heart theta brain waves as blue light spirit visualization, and this is how the ancients memorized long history as tonal poems of right brain frequency pitch harmonics.

It can be inferred that a stability of conformational states of waves is attained at a minimum energy, when the frequencies fit with the first harmonic (1:2), and fit somewhat lesser, but close to the second harmonic (2:3), and somewhat lesser with the third harmonic, etc. This means that the initial value problem can be solved....

"... tentatively designated as "Algorithm of Life". The particular spectrum of frequency bands indicate that nature seems to employ discrete eigenfrequencies or standing waves that match precisely with an acoustic scale, with frequency ratios of 1:2, and closely approximated by 2:3, 3:4, 3:5, 4:5 and higher partials, allowing the discrete frequencies to be expressed in scalars."

These frequency patterns, based on quantum transitions obey to frequency ratios of 1:2 and approximate partials of 2:3 (Geesnik and Meijer, 2016)....are responsible to stabilize cells or improve viability of cells....Based on the material presented in the present paper, the following novel axiom/biological principle might be at stake: nature makes use of a specific set of eigenfrequencies of electromagnetic waves as well as of quantum states, that exhibit frequency ratios of 1:2, and closely approximate 2:3 and 3:4 and higher partials, that can be expressed in scalars.

Similar to orbital angular momentum \mathbf{L} , the spin vector \mathbf{S} is quantized both in magnitude and direction, and can be specified by spin quantum number s .

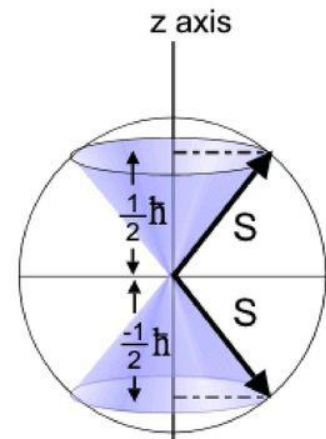
We have two orientations:

$$2 = 2s + 1 \rightarrow s = 1/2$$

$$S = \sqrt{s(s+1)}\hbar = \sqrt{1/2(1/2+1)}\hbar = \frac{\sqrt{3}}{2}\hbar$$

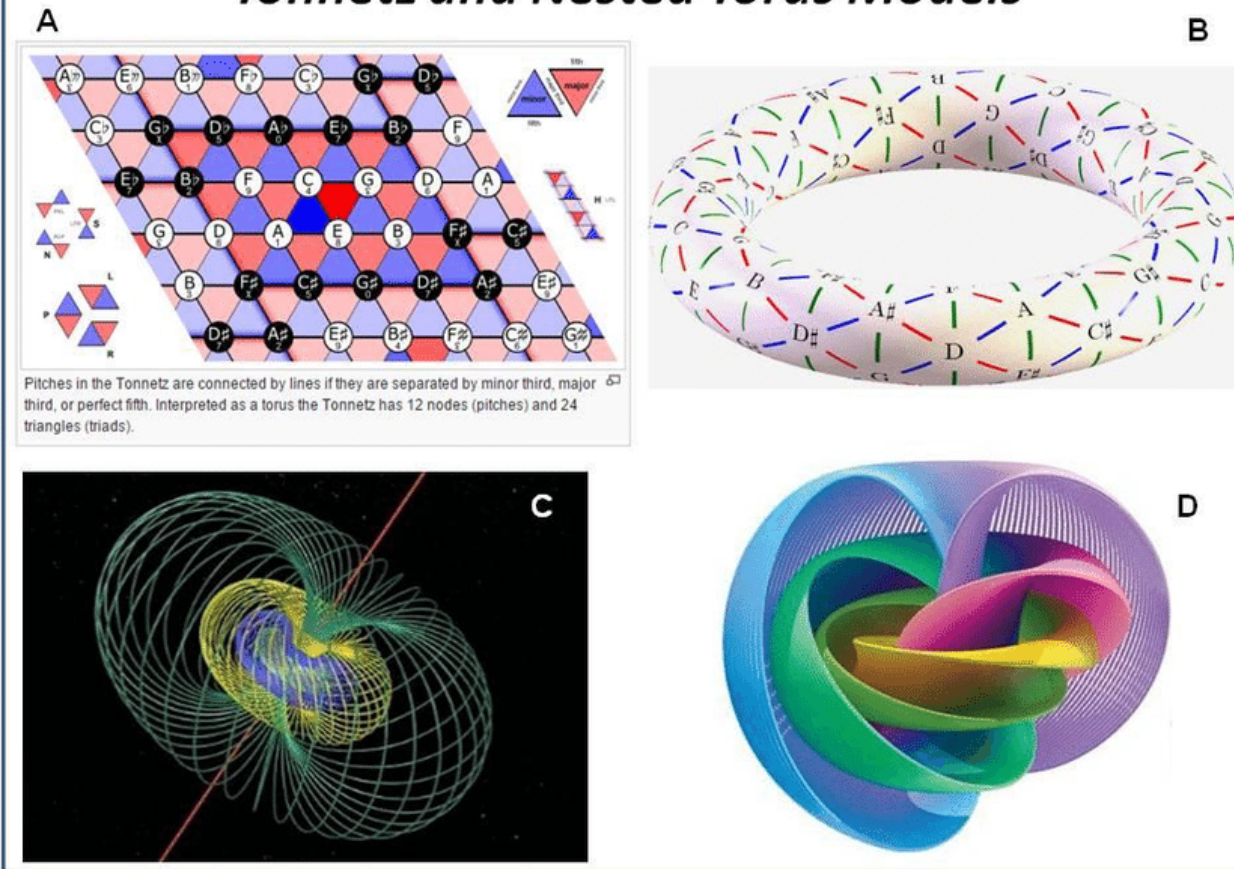
The component s_z along z axis:

$$S_z = m_s \hbar \quad \begin{array}{l} m_s = +1/2 \quad (\text{spin up}) \\ m_s = -1/2 \quad (\text{spin down}) \end{array}$$



Toroidal noncommutative time-frequency phonon means "The electron spin can not be imagined as arising from a rotating body since orbital angular momentum always comes in integral multiples of (the astronomical symbol of Saturn) \hbar ($\frac{1}{2}$) as intrinsic noncommutative quantum phase or spin $1/2$

Tonnetz and Nested Torus Models



The Tonnetz Neo-Riemannian music model is still the symmetric math of quaternions (orbital angular momentum) as Fourier or Poisson transformation, not the spin 1/2 noncommutative phase that can not be imagined or not visualized.

Sir James Jeans was correct - "all simplicity vanishes" when the "true clock-face" is shown - infinity in both directions as noncommutative-phase

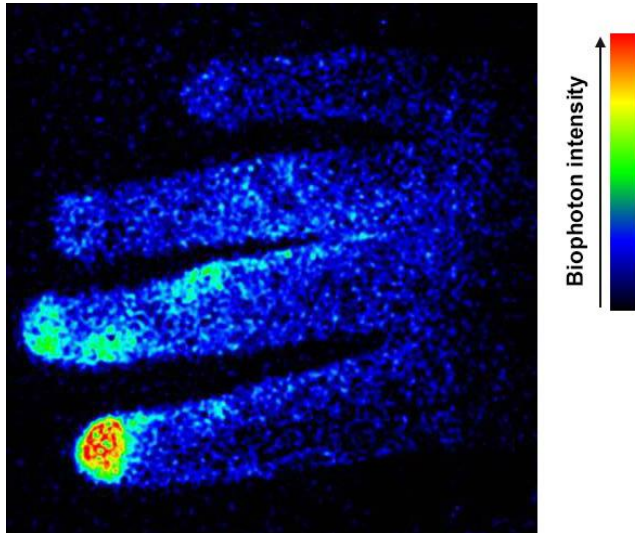
And this is where the mystery begins because when Western modern science developed from the Greek Miracle there was a great cover-up about the truth of the Octave, Perfect Fifth and Perfect Fourth. People know about this mystery as Pythagorean philosophy but actually people learn Pythagorean philosophy based on the lies of Plato and Aristotle, as Ph.D. philosopher Peter Kingsley has pointed out.

Peter Kingsley: Yes, and it's also found in Taoist exercises as well as particular strands of Buddhism.... Empedocles tells his student that "if you press my words down underneath your dense-packed diaphragm," in other words if you breathe them in deeply into your belly, then they will stay with you and they will grow and they will change you.

[The inner farming](#)

birds call and sing not only to quicken the plants: they also call to awaken the human seed that we are.

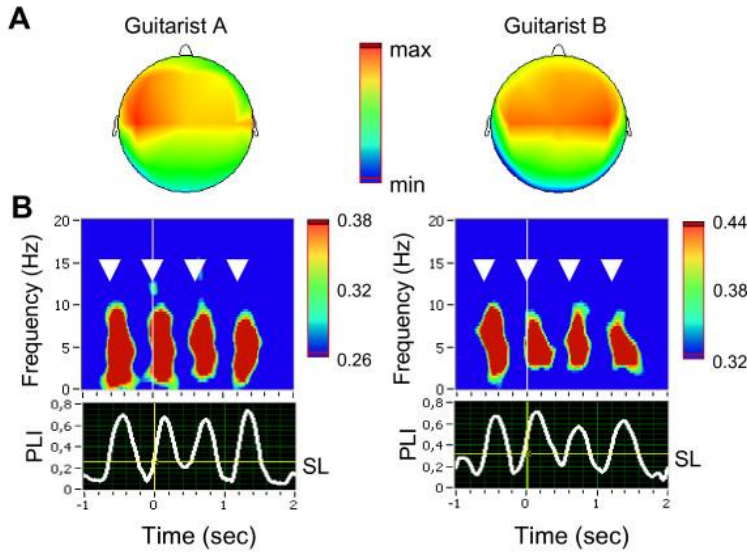
They are actually singing for our sake as well. If we can start to listen to them, really listen, they will draw us into this greater consciousness I have been talking about.



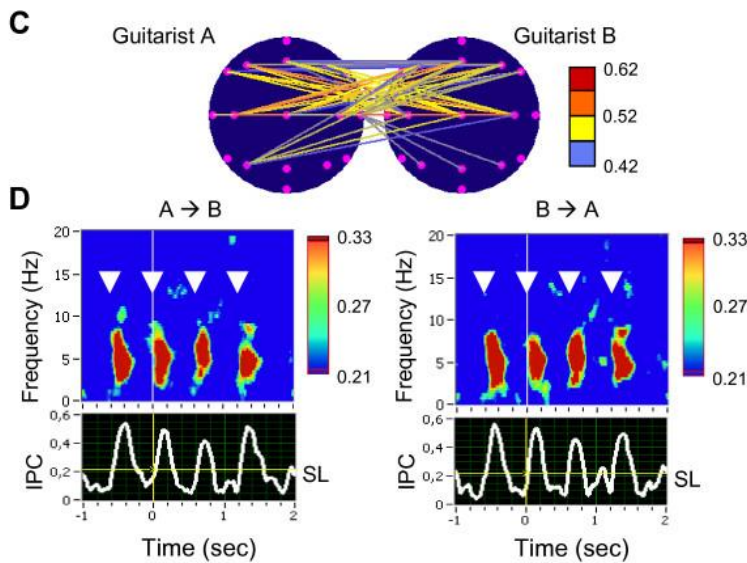
Biophotons emitted from hand

And so when people learn music theory they learn that the Perfect Fifth plus the Perfect Fourth = the Octave. This seems very basic since $3/2$ as the Perfect Fifth \times $4/3$ as the Perfect Fourth equals 2 as the Octave. But people don't realize that this music theory formula, expressed with C as the root tonic and the octave also as C, as the same pitch doubled in frequency, (visualized as half the wavelength), and then the Perfect Fifth as the G, that is $3/2$ of the doubling, (visualized as two-third the wavelength) and then the Perfect Fourth as F, or $4/3$, visualized as one-third the wavelength) – this is based on the trickery of Archtyas, not real Pythagorean philosophy of music alchemy.

Synchronization within the brains



Synchronization between the brains



So Western music approximates the noncommutative phase of nonwestern complementary opposites and so you still get synchronization of brains - at a distance - from music. Fields Medal recipient (Nobel of math) professor Alain Connes:

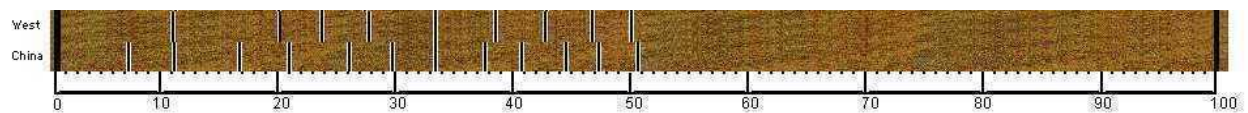
a “universal scaling system”, ... this discrete scaling manifests itself in acoustic systems, as is well known in western classical music, where the two scalings correspond, respectively, to passing to the octave (frequency ratio of 2) and transposition (the perfect fifth is the frequency ratio $3/2$), with the approximate value $\log(3)/\log(2) \sim 19/12$ responsible for the difference between the “circulating temperament” of the Well Tempered Clavier and the “equal temperament” of XIX century music. It is precisely the irrationality of $\log(3)/\log(2)$ which is responsible for the noncommutative [complementary opposites as yin/yang] nature of the quotient corresponding to the three places $\{2, 3, \infty\}$. -The first natural thing that you would try to get, to get this space would be a sphere, so you can compute the

spectrum of the sphere, it is an object of dimension two. So this would never work. You think you are in bad shape because all the shapes we know ...but this is ignoring the noncommutative work. This is ignoring quantum groups. There is a beautiful answer to that, which is the quantum sphere. Musical shape has geometric dimension zero....We could classify finite space...it's related to mathematics and related to the fact that there is behind the scene, when I talk about the Dirac Operator, there is a square root, and this square root, when you take a square root there is an ambiguity. And the ambiguity that is there is coming from the spin structure.

[Math professor \(Fields medal\) Alain Connes on quantum music as noncommutative time-frequency origin of reality from infinite spiral of perfect fifths!](#)

Our brain is an incredibleperceives things in momentum space of the photons we receive and manufactures a mental picture. Which is geometric. But what I am telling you is that I think ...that the fundamental thing is spectral [frequency]....And somehow in order to think we have to do an enormous Fourier Transform...on geometry. By talking about the "music of shapes" is really a fourier transform of shape and the fact that we have to do it in reverse.

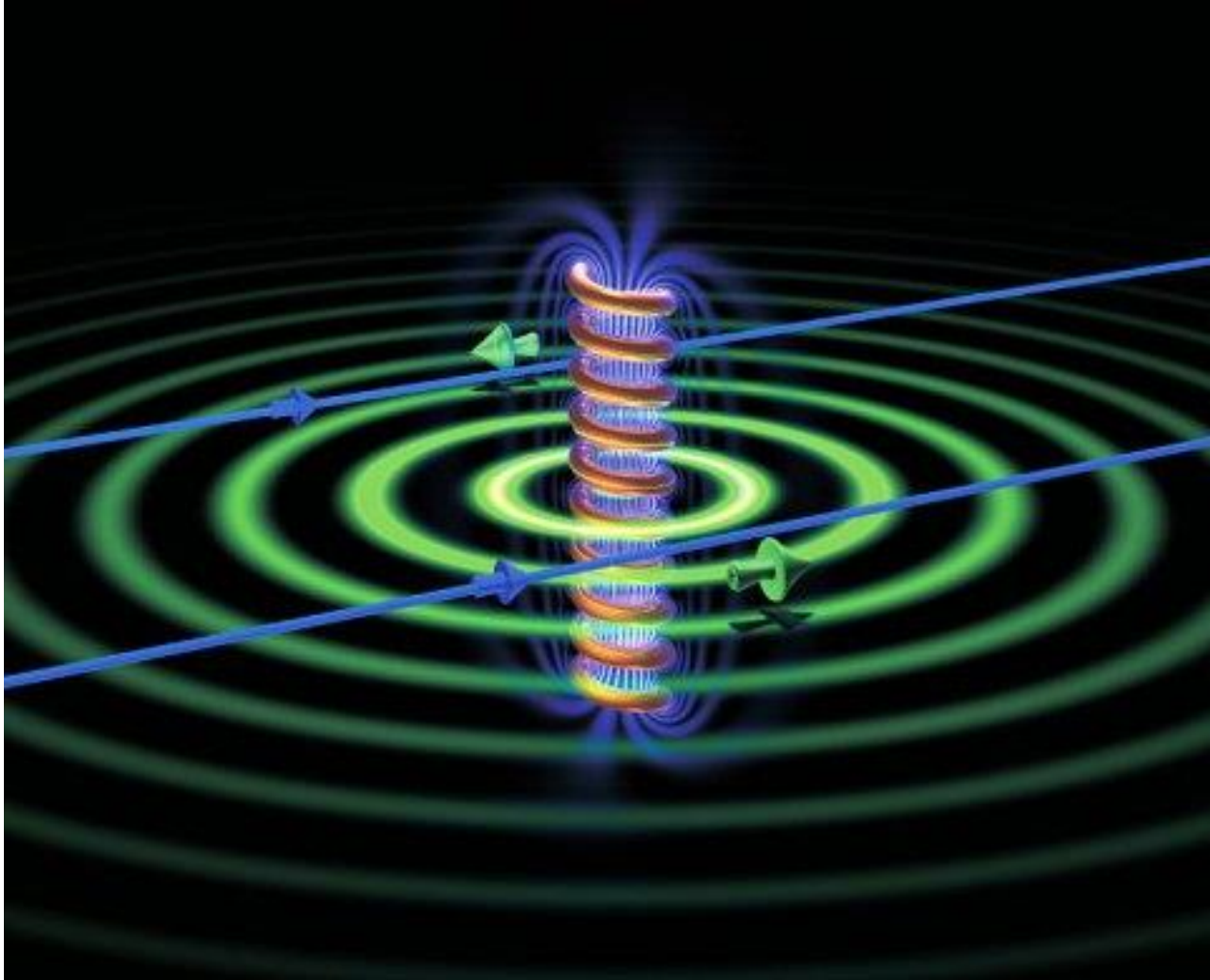
So Western music, based on the wrong symmetric math, does not achieve the deep transformation - unless you have the Mozart Effect or the Blues Music - of natural harmonics as synchronized rhythms to transfer left brain listening of time into right brain dominance. Professor Dr. Daniel Oore explains in detail in his Ph.D. thesis on Blues music ([2017, linked](#)).



As Chinese language and philosophy Professor and martial artist Patrick Edwin Moran explains the difference between guitar frets of the West and China:

They seem to have decided to put the differences to good use. If the equivalent of "do mi mi, mi so so" sounds different in the equivalent of their key of C and their key of E, then that is a useful thing because the **feeling** that goes along with those sounds is different. That is similar, but much richer, than our practice of having some songs written in major keys and other songs written in minor keys.

Archytas used the equation "arithmetic mean x harmonic mean = geometric mean squared" to produce the first logarithmic equation as the foundation of Western mathematics. This means that the Octave as 2 is actually the geometric mean squared and so the "square root of 2" is then the middle of the scale as what is called the "tritone" in music theory, but was known as the Devil's Interval by the Church in medieval times -- before modern science based on Platonic philosophy was reestablished with logarithmic mathematics of equal-tempered tuning (Simon Stevin in the late 16th century).

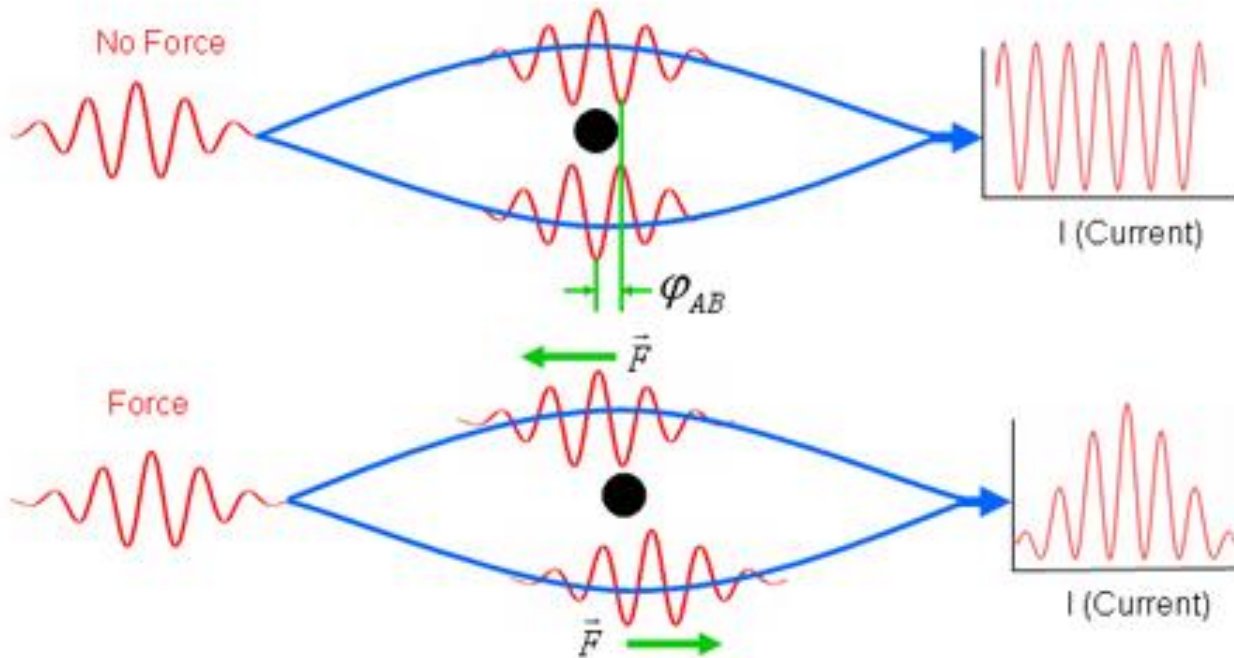


In this field-free region, however, the electromagnetic potential is not zero. Aharonov and Bohm showed theoretically that electrons on the two paths would experience different phase changes, and that recombining the electron beams would produce detectable interference effects. That is, the intensity of the recombined beam would vary according to whether the phase-shifted wavefunctions reinforced or canceled each other—a measurable physical effect directly related to the potential, contrary to standard wisdom.

[In contrast to the symmetric mathematics from the wrong music theory of Archytas:](#)

For example, the Aharonov-Bohm effect in electronic systems can be mimicked by performing a time-reversal acoustic experiment (in which sensed acoustic waves are time-reversed by computer and emitted back through the same transducers) in the presence of a water vortex ([142](#)). In a recent experiment, Fleury *et al.* ([143](#)) constructed a ring-shaped resonator in which the air was set into circulation. The flowing medium induced a strong Doppler effect, through which sound propagation was shown to be nonreciprocal among the three outlet ports. This is a system that breaks reciprocity and therefore enables true acoustic isolation. Incorporation of nonlinearity into acoustics has shown very interesting results such as reconfigurability ([130–132](#)), high-intensity focusing ([128](#)), and nonreciprocal transmission ([129, 137, 144–146](#)). Systems whose property (for example, effective mass) is temporally modulated are also able to display nonreciprocity ([147](#)).

Phase or Force?

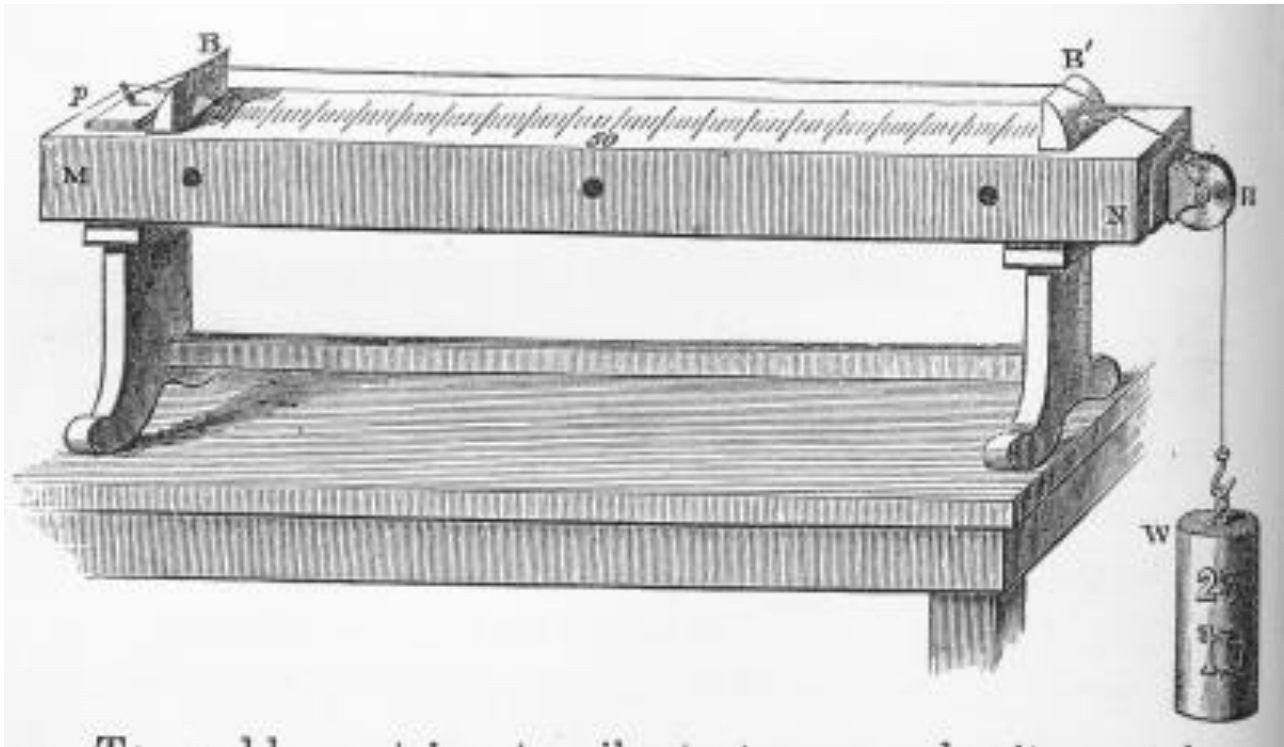


On top the pulse does not shift (i.e. the group velocity does not change), but the relative phase does. This is the generally accepted view of the Aharonov-Bohm effect. On the bottom the pulse does shift as does the relative phase. This is what would happen if there was a force acting....the phase of the 'hidden momentum' in Aharonov-Bohm (AB) solenoid effect is equal in magnitude to the phase of the electron but with opposite sign...."An electrically charged particle is affected by an electromagnetic potential (V, A), despite being confined to a region in which both the magnetic field B and electric field E are zero. If the electric charge through gauge invariance creates an electromagnetic field, wouldn't this isotopic spin also generate a field? And that is the motivation.." Nobel Laureate physicist CN Yang

So when we learn Pythagorean harmonics we are taught the origin of the Perfect Fourth is this:

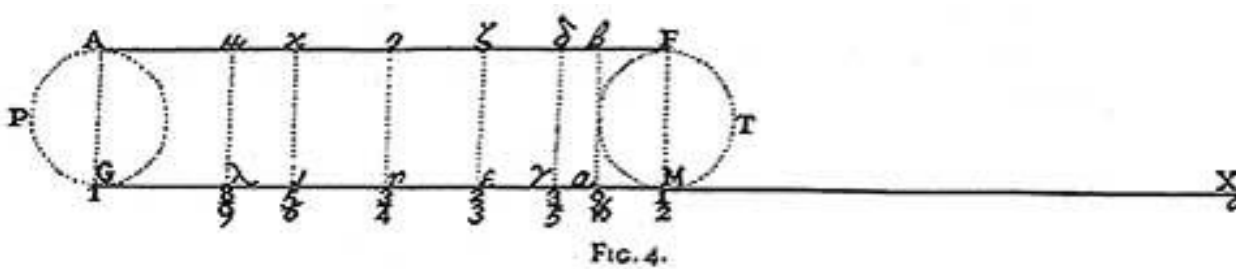
"Going down by a Fifth means dividing by $3/2$. All together we have $2/(3/2) = 4/3$. Thus, by combining intervals, we have actually produced a new interval, called the Perfect Fourth. The Perfect Fourth is defined by a ratio of $4/3$."

http://www.phys.uconn.edu/~gibson/Notes/Section3_2/Sec3_2.htm



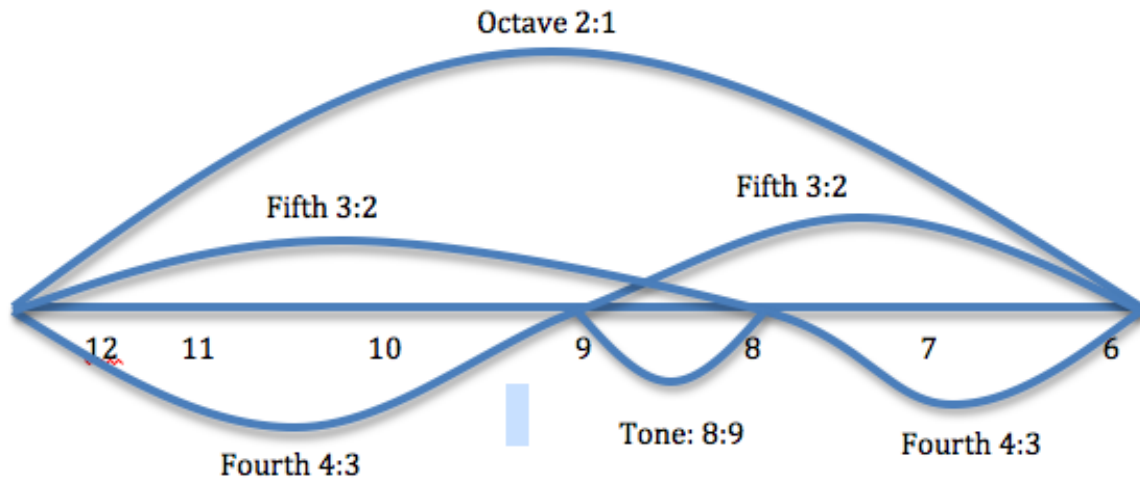
But the problem is that if the Octave is 2 as frequency and the wavelength is $\frac{1}{2}$ then the root tonic as "C" is 1/1 as both the frequency and wavelength with infinite resonance – an "open" string as it were with no "nodes" to contain the medium of the string, to produce the resonance.

This paradox of an infinite vibrating string plagued the early inventors of modern science, and it was finally Newton who realized that Pythagoras had been wrong to use strings for geometric ratios when in fact it is the mass on the end of the strings that creates the tension as the inverse of the square. So that if you take the octave of 2, in fact you are taking a string of length 1 and stretching it 4 times the length to create mass as a doubling of frequency, the square root of 4.



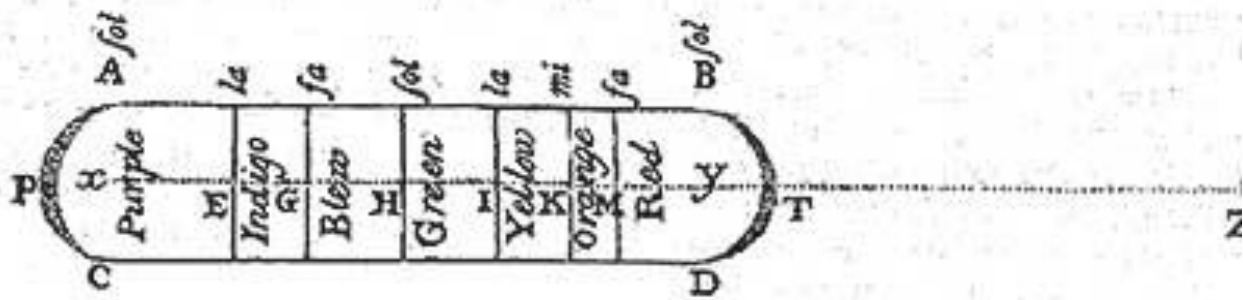
Newton's Colour Music

And so just as Archytas had invented the square root of 2 from the geometric mean as the octave, so then had Newton rediscovered the same inverse square law to explain his mysterious "action a distance" force of gravity, a force dominating modern science, even today.



Pythagorean Tetrads is Noncommutative Phase as the three gunas and Tai Chi

The real paradox here is what mathematicians call "incommensurability" which means you cannot achieve a "one to one correspondence" between number and geometry (as mass). It was Einstein who confronted this paradox in physics – directly – by realizing that if the speed of light is constant in the vacuum then spacetime itself curves light, and spacetime is then observed to be relative based on the speed of light.



Funny - Newton thought the Perfect Fourth (Fa) was Blue!

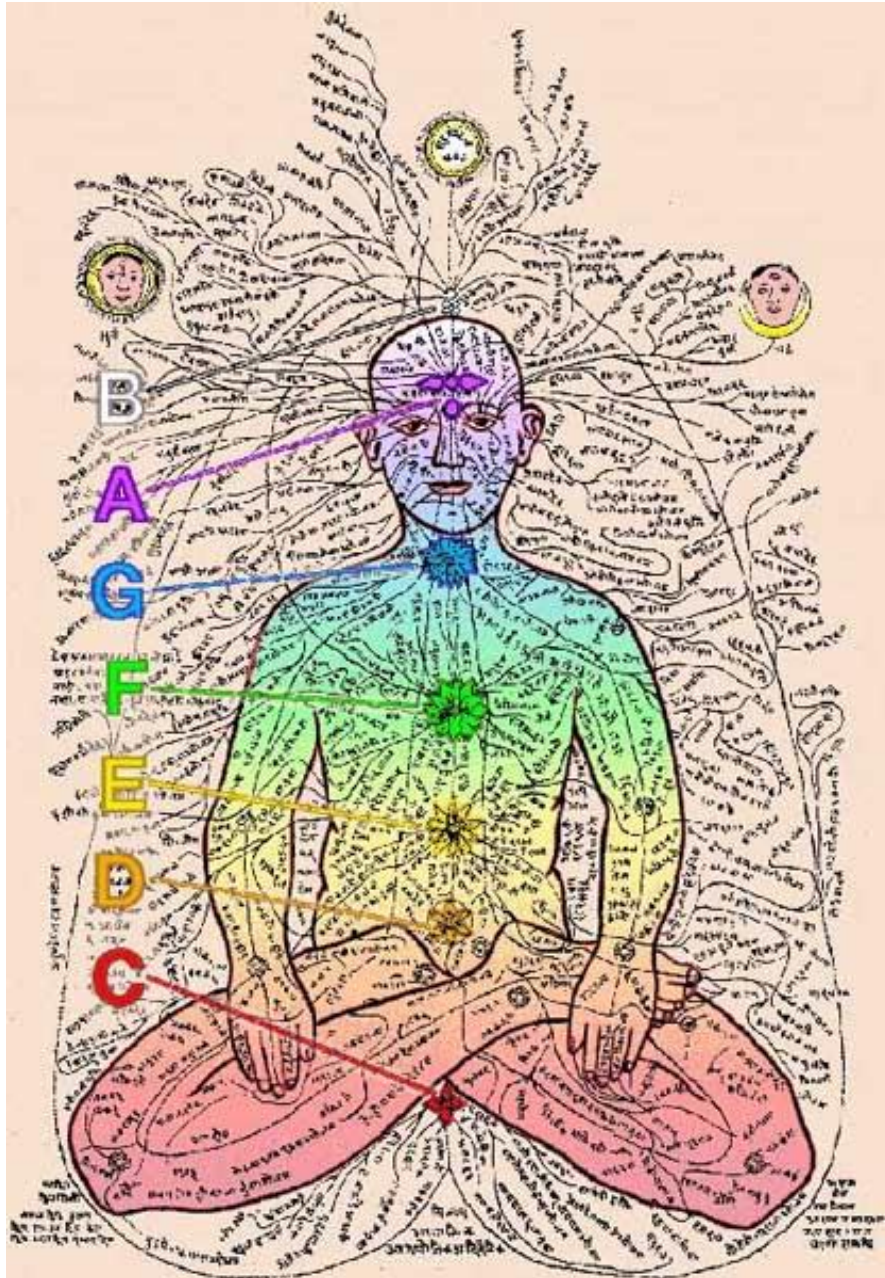
So then, just by extending the Pythagorean Theorem into higher logarithmic dimensions, the 3D dimensions of Cartesian and Galileo invariance now have a fourth dimension of time such that, only a 5th dimension of the speed of light constant in a vacuum, is able to maintain the invariance of measuring observations.



As Hermann Minkowski clearly demonstrated, Einstein's theory is a straightforward extension of Pythagoras into the realm of space-time. And this in itself stresses a key difference between Einstein's results and plain-vanilla Pythagoras. The latter is intuitive as it refers to space only, while Einstein's theory applies to space-time and is highly counterintuitive.

There is a book called *From Pythagoras to Einstein* that extends the Pythagorean Theorem into relativity but what is not acknowledged, except in an M.I.T. press book on the mathematics of music, is that Archytas and Eudoxus, with Euclid summarizing their research, achieved the Pythagorean Theorem from music harmonics of the geometric mean squared.

So the arithmetic mean has to take the value of $3/2$ frequency as the Perfect Fifth or C to G in the harmonic series. If 1 is C as the root tonic, and the octave is 2 as C frequency then 3 is G as the Perfect Fifth. And so then squaring the Perfect Fifth just as the geometric mean is squared for the octave, creates $9/4$ and then to maintain this frequency within the same scale of 1 to 2 frequency, it is halved back to $9/8$. This is then the "major 2nd" music interval or "whole tone" of the famous "doe a deer" song in the Sound of Music movie.

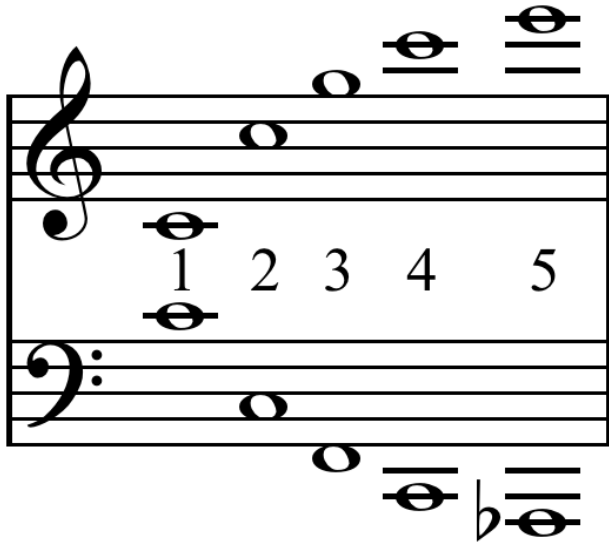


Secretly the Perfect Fourth, F, is the "Ghost Tonic" or $2/3(x)$ since it has to be doubled back to hide the noncommutative quantum undertone.

["Saringadeva decided not to go into details. In another work, "Brahmagranthi", he apparently gave locations in the body for seven notes, placing them roughly near the main chakras. His 13th-century schemes are a faint, fragmentary prefigurement of De Clario's colour-music-chakra code; he gave nothing so clearly defined as a spectrum, however, to climb the scale or ascend the kundalini path."](#)

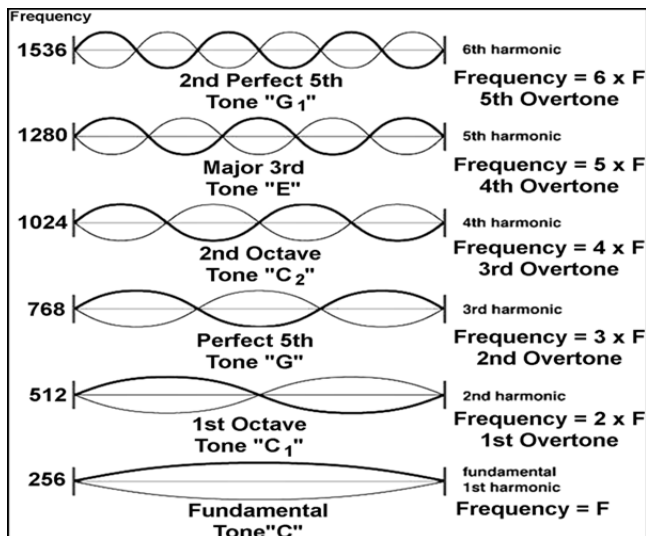
And then if you have three notes of $9/8$ this, based on the same logarithmic equation of squaring the geometric mean, is actually "cubing" the whole tone and so this then "approximates" the original octave value of the geometric mean squared as 2. In other words the Pythagorean Theorem also called the "Power Axiom Set" in mathematics – as the first "irrational magnitude" equation, originated from the

wrong music theory! In music it produced the Tritone as the whole tone cubed or $9/8$ cubed approximating the square root of two as the geometric mean squared or the octave, as Archytas defined it.



$F=3=G$ at the same time as noncommutative phase, the 5th dimension

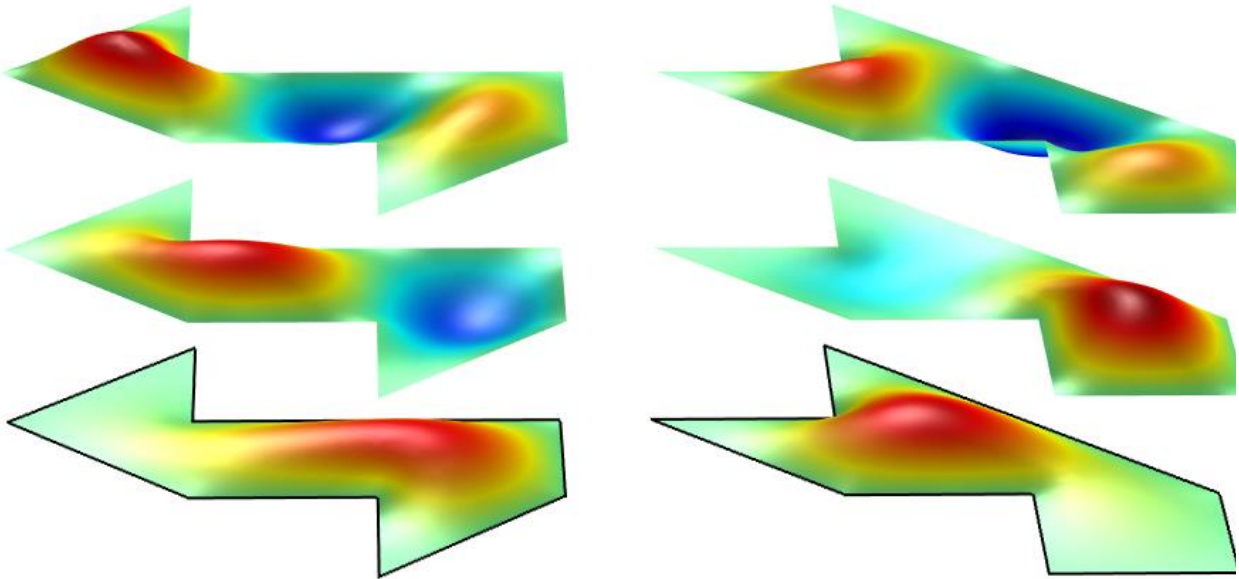
Why is it the wrong music theory? Because the "orthodox" Pythagorean harmonics recognized that to get the Perfect Fourth from the octave frequency 2 by dividing by the Perfect Fifth frequency of $3/2$ (or multiplying by its wavelength of the frequency aka $2/3$) is not part of the harmonic series based on the root tonic of 1. The harmonic series has to continue as multiple of one in the denominator, so that the fractions are ratios of the root tonic, with $3/2$ as the third harmonic and so $4/3$ as a denominator that is not a multiple harmonic of the root tonic. Or to put this in plain arithmetic, 2 does not go into 3 evenly and 2 resonates from 1 as the octave with the same perceived pitch of C, as the root tonic.



No Perfect Fourth in the Harmonic Series

So in music theory this is known as the "Ghost Tonic" which means as the Pythagoreans realized, (also called Ghost Waves) the Perfect Fifth frequency of $3/2$ as C to G, overtone harmonic is also the Perfect

Fifth frequency of $2/3$ as C to F, subharmonic undertone. Now notice it is a different geometry of pitch – as F – and this is because to achieve the Perfect Fourth as C to F or $4/3$ frequency, this is by dividing 2, the octave C by $3/2$ the frequency of Perfect Fifth and division is noncommutative geometry! In other words the same numbers have different perceived pitch because by changing the order of time and frequency you change the value of the energy of amplitude from a change in the phase of the geometry (wavelength and frequency inversion).



The Quantum Drum means it is proven that the same frequencies can have different metrics or phases - noncommutative phase - at the same time - so Isospectral but not Isometric.

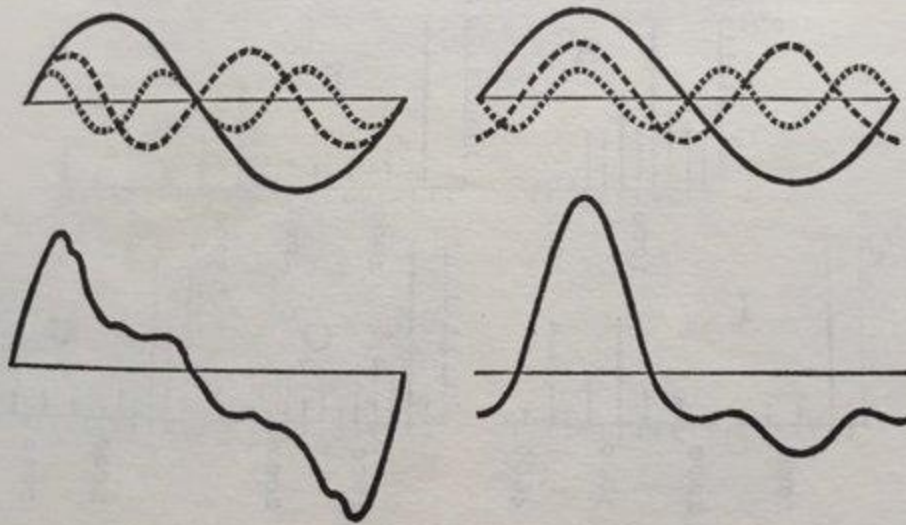
But the Perfect Fifth is the same perceived pitch – hence the same name "Perfect Fifth" in relation to the 1, the root tonic, as C, that as we have noted, does not have any "nodes" – as the ratio $1/1$ – the wavelength and frequency are invertible without any change of perceived pitch as well and the octave 2 is the same pitch with double the frequency and half the wavelength. And so for Pythagoreans the number 1 was not a "number" because it was not aligned with any contained geometry and so the number 1 was considered light as the Sun and a male principle of consciousness.

air intervening. But the upper limit Dr. Timm has checked—as of exactly the same to 176,000—the upper limit Dr. Timm has checked—as of exactly the same pitch. Although this 'ultra-range' comprises well over three octaves, to us all the 36 tones physically possible seem stereotyped and exactly like the highest tone we can hear in the normal way when it reaches us through the air.

Nature had therefore to make a particularly brilliant invention to endow birds, mammals, and men with the gift of hearing so many different tones. This invention is the basilar membrane of the inner ear.

What does the inner ear in fact do? Let us assume we hear the three octaves above middle C, and then the stirrup vibrates 2,048 times per second on the fluid column of the cochlea. But it sounds different if we hear the same one from a violin or a flute. The reason is that with every instrument the

Figure 68. Two sound waves made up of the same fundamental and two harmonics, but in different phase relationship.



16

Let us draw up a fundamental vibration with its first and second harmonic overtones [1:2 and 2:3]....if we then shift the phase relationship, we get a totally different course of the combined curve; that is, of the pressure course

[amplitude and frequency] which is apparently effective in the final analysis. When looking at both curves, one might suppose that in the two cases we should hear two sounds that are just as different. But in fact our ear does not notice any difference. *Biophysicist Vitus B. Dröscher states in his book, Magic of the Senses, p. 168*

And so then the Perfect Fifth was also the perceived pitch of C to F as the undertone while the perceived pitch of the Perfect Fourth was C to F as the harmonic (but not the overtone of 1). Which is to say the

"root tonic" shifts as the ghost tonic, also called the "quantum undertone," in order for 4/3 as C to F harmonic to be created.

Memory, Intuition, Gut feeling

- If we want to listen to our intuition or gut feeling, what information are we accessing?
- Is this information holographic or quantum? Are microtubules involved to access this information?
- Can we measure this ability?
 - Galvanic skin response (lie detector)
 - Heart rate variability
 - Noninvasive nanosensor biofeedback

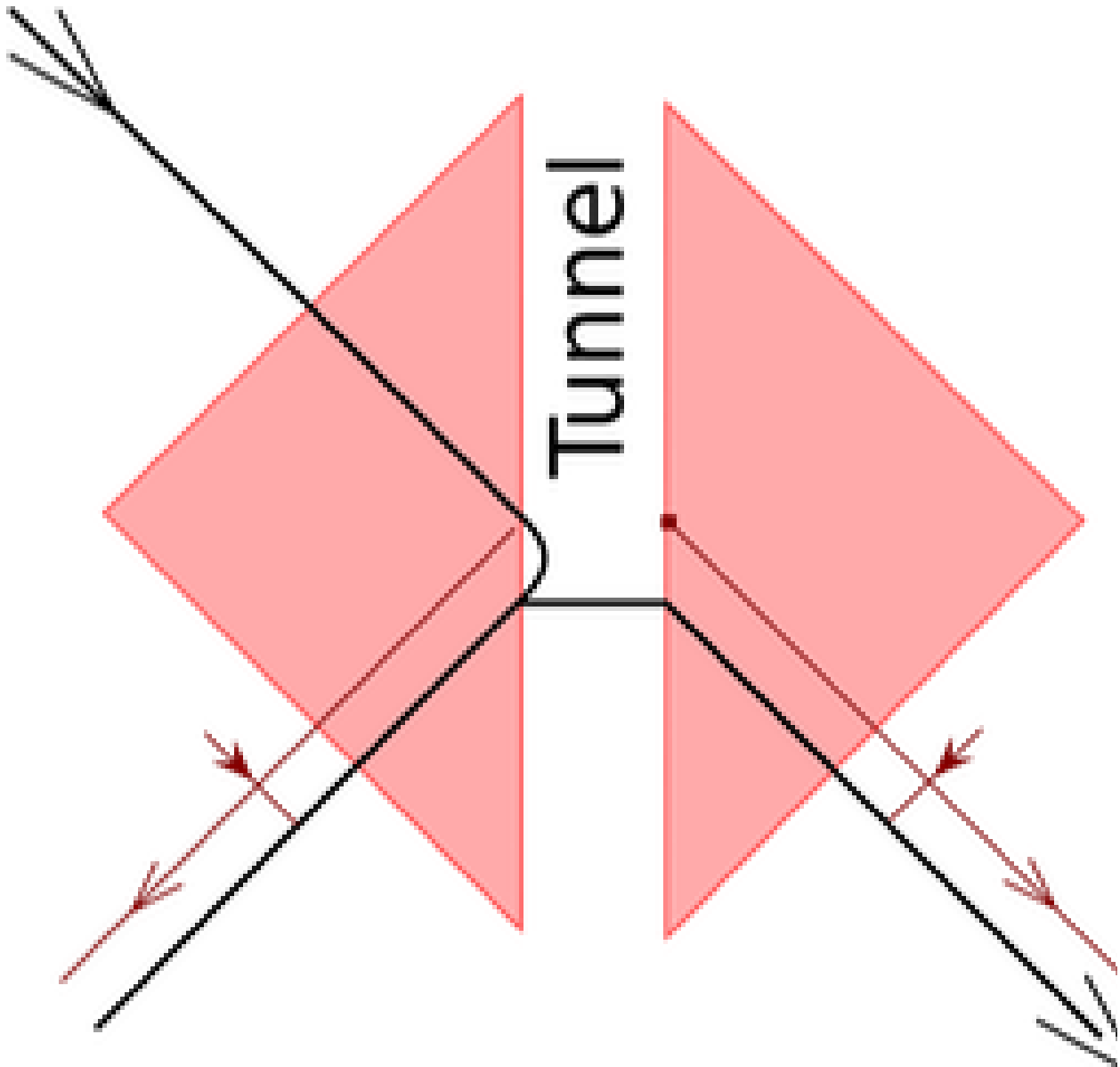


99

Proprioception middle ear flexing as ultrasound HyperSonic Listening resonates third eye to create Quantum Undertone serotonin tummo or blissful heat in small intestines as reverse time quantum coherence energy (qi or prana)

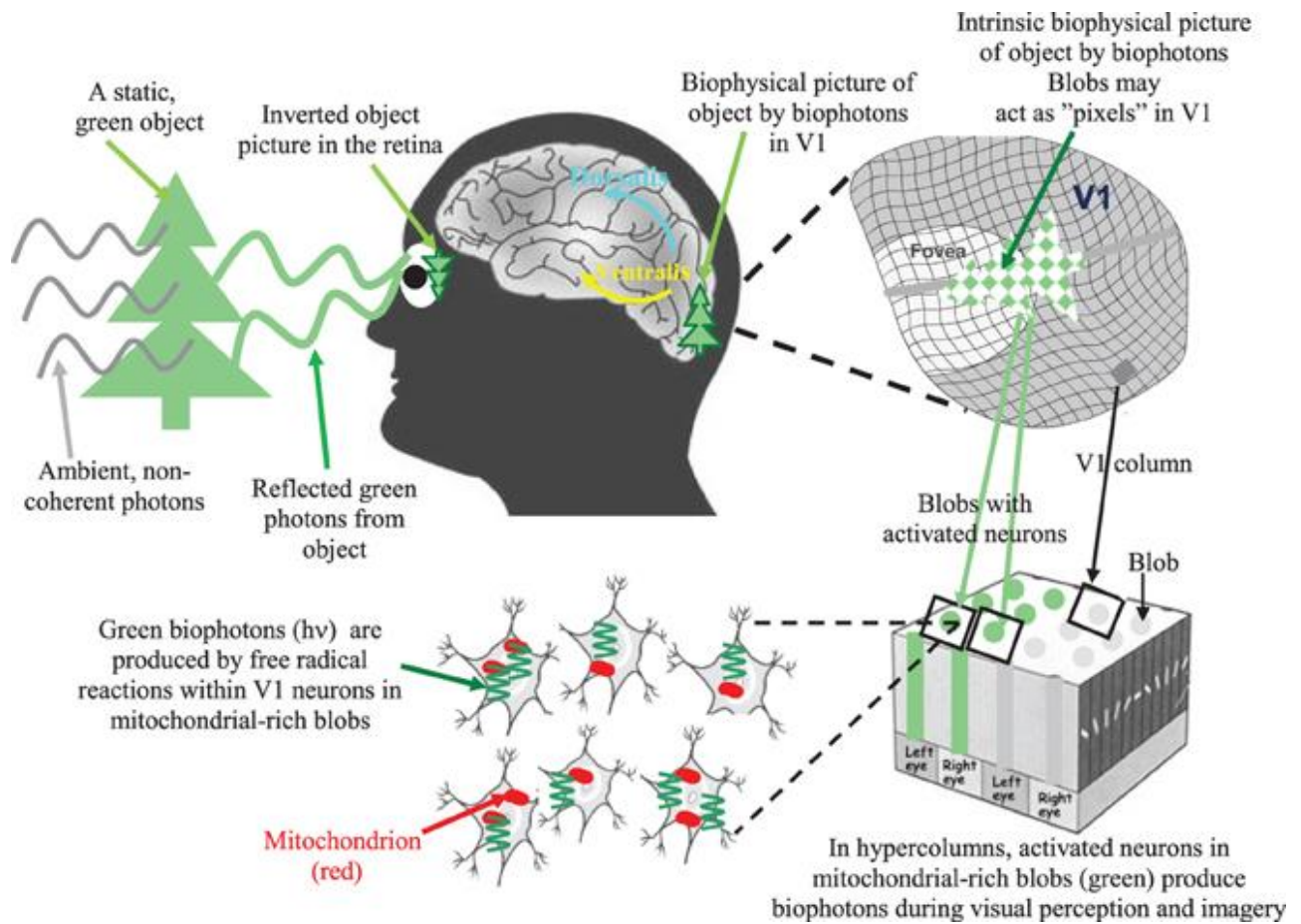
I call this the "Hempel Effect" but now it is called by Professor Pierre Deymier, "Phi-Bits" or quantum phase bits using sound or phonons for room temperature nonlocal macroquantum superconductivity computing.

Reciprocity of fundamental frequency transmission coefficient (FFTC) is now investigated. Since the geometry is symmetric with respect to its center at f from A to B with two opposite values of v is equivalent to comparing FFTCs from A to B and B to A at f with a single value of v .



Superluminal Phonon Signaling can even be Mozart as Dr. Guenther Nimtz proved - due to quantum tunneling at "zero time" of noncommutative phase

What Archytas did was to cover up this noncommutative geometry by stating that the Perfect Fifth as undertone pitch of C to F or $2/3$ frequency (wavelength $3/2$) is not allowed since it does not fit into his equation: "Arithmetic mean $(3/2) \times$ harmonic mean $(4/3) =$ geometric mean squared (2) ." In other words previous to Archytas, the Pythagorean Philolaus called $4/3$ the subcontrary mean, not the harmonic mean, since it was realized that since 2 does not go into 3, then the true origin of the Perfect Fourth as C to F in the scale is actually as the subharmonic or undertone as the Perfect Fifth, C to F or $2/3$, the same pitch or Perfect Fifth, as C to G overtone harmonic $3/2$.



closing our eyes and visualizing light then increases serotonin and alpha-theta brain waves
 And so as math professor Luigi Borzacchini realized only a "negative judgement paradox" enabled the creation of irrational magnitude as the Greek Miracle because a person cannot visualize with geometry the fact that the arithmetic is infinity and the arithmetic cannot be contained as infinity.



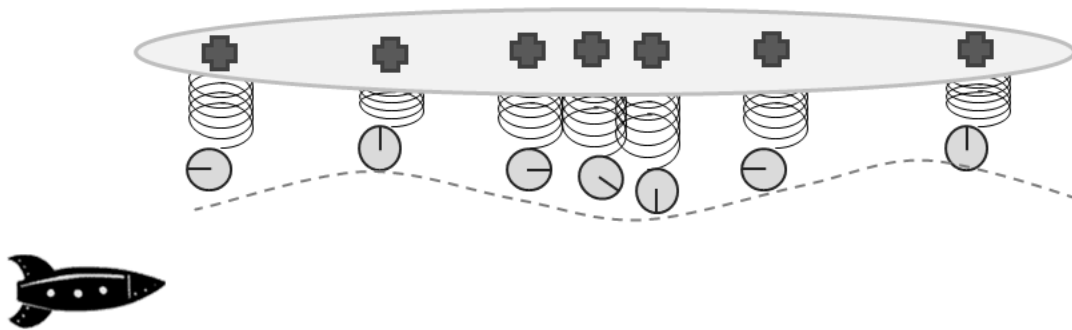
Quantum physicist Dr. Guenter Nimtz sends superluminal sound signals through the 5th dimension:

Metamaterial Microtubules create

"a passive dielectric medium with a negative group delay time due to polarization shift. A rotational strain of the polarization vector by one of the adaptors is coupled with a drastic negative group velocity. Evanescent optical modes with their imaginary momentum are strange particles...the superluminal acoustic effect we have described is likely a ubiquitous but imperceptible phenomenon in the everyday world."

But the problem is that the empirical truth of the music natural harmonics as noncommutative

geometry, since that is the perceived pitch, is changed by Archtyas, with the Perfect Fifth phase shift being heard as the same interval, (the Single Yang as inner listening alchemy - called the "inner ear method" by Buddha or "silence samadhi" by Ramana Maharshi) - even though the frequency and wavelength (amplitude creating mass) changes for the irrational magnitude math that is symmetric mathematics as logarithms and exponentials. In other words in modern science terms we learn this as "frequency" or Hertz – cycles per second, from Galileo defining a second based on the timing of the heart beat to measure gravity as a logarithmic inverse square relation. This is wrong - a true Perfect Fifth is noncommutative quantum phase coherence as infinite energy.



From the invariance of light as the observer, a superluminal phase wave guides, from the future, the space ship (our brains): the Law of Phase Harmony of relativistic quantum 5th Dimension force.

So it was not until relativity and quantum physics, when Louis de Broglie was putting the two together, as the Law of Phase Harmony, that the paradox was rediscovered. As matter goes towards the speed of light (as invariance) in terms of relativity the time slows down, the wavelength gets bigger, but the frequency in terms of Pythagorean harmonics music also get smaller, since they are inverse proportions. Yet based on quantum physics, the energy of light is directly proportional to frequency with the mean average energy of light (Planck's constant) as frequency divided by cycles per second.

$$E = h \nu$$

Without the units provided by h, it's apples to oranges:

$$E \text{ joules } \times \nu \frac{\text{vibrations}}{\text{second}}$$

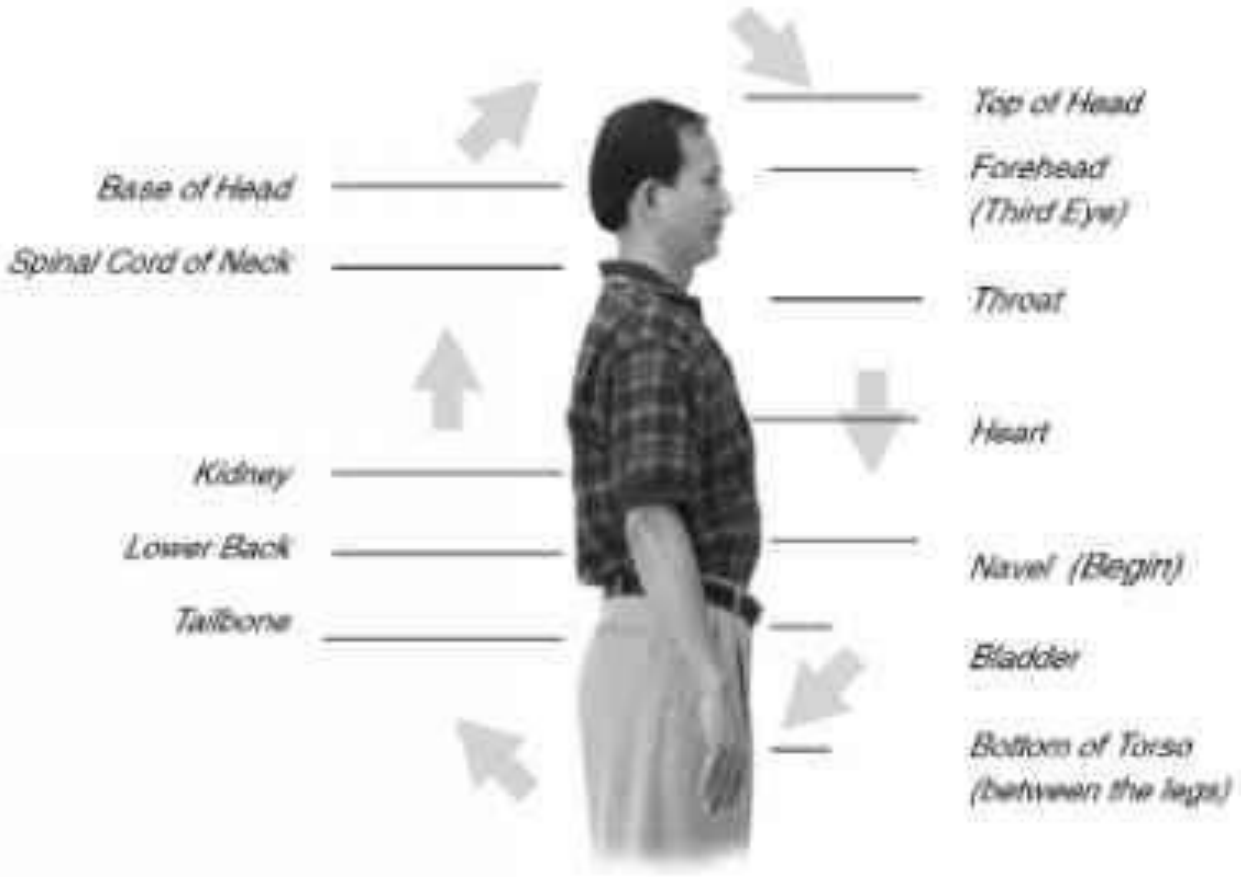
"Vibrations" is just a number. It has no units.

To make the equation come out right, h has units of joule • seconds.

$$E \text{ joules} = h \text{ joules} \times \cancel{\text{seconds}} \times \frac{\text{vibrations}}{\cancel{\text{seconds}}}$$

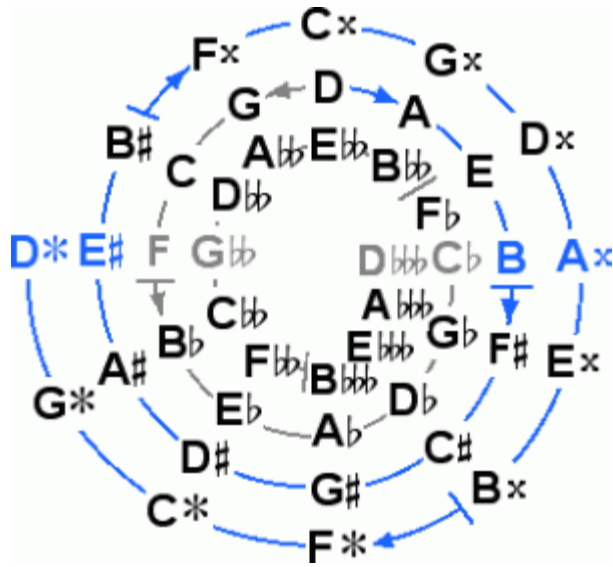
Frequency or cycles or vibrations is "not just a number" - it is real energy!! Patrick Edwin Moran, Ph.D.
Daoist philosopher: Why Planck's Constant is not the minimum of energy

But a "cycle" in physics is considered to define frequency as something you visualize based on irrational magnitude geometry – with the nodes closed as a circle of radians or symmetric ratios. And so the geometry is transcendental but it is also symmetric as a visualization yet the truth of the harmonics, the Law of Phase Harmony is noncommutative geometry (seconds to vibrations is noncommutative!) that can not be visualized – as the 5th dimension.



12 harmonic nodes of Daoist-Pythagorean-Kriya yoga meditation as infinite noncommutative quantum phase

So de Broglie realized there has to be a 2nd "cycle" that is from the future – or reverse time – so that relativity and quantum physics can be synchronized, or harmonized. This is a phase wave that is non-local as the 5th dimension, meaning in two places at the same time, just as the Pythagoreans originally knew that $G=3=F$ at the same time, as the Perfect Fifth frequency equals the Perfect Fifth wavelength and vice versa as pitch perception of phase change being equal, even though their geometry of amplitude and frequency were inversely reciprocals.



Small Universe Daoist Meditation is 12 notes as infinite spiral of Perfect Fifths, the Single Perfect Yang as noncommutative phase alchemy transformation

And so the amplitude value is based on squaring the inverse for gravity whereas the original phase shift is just pure noncommutative geometry that is infinite as the 5th dimension and so cannot be squared back into a symmetric mathematical geometry.

Quantum Phase Extraction in Isospectral Electronic Nanostructures

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SIMES, SLAC National Accelerator Center, 2575 Sand Hill Road, Menlo Park, CA 94309
Work supported in part by US Department of Energy contract DE-AC02-76SF00515.

Noncommutative Phase means entanglement information-energy extraction: We present a method to map complete electron wave functions, including internal quantum phase information, from measured single-state probability densities. We harness the mathematical discovery of drum-like manifolds bearing different shapes but identical resonances, and construct quantum isospectral nanostructures possessing matching electronic structure but divergent physical structure.

This is what the philosophy professors Hugly and Sayward meant in their 1999 article, "Did the Greeks Discover the Irrational?" (the Pythagorean Theorem). There answer is no because logically geometric length is not the same as arithmetic distance. Now another math teacher pointed this out as well and

again this is known as "incommensurability" and creates unsolvable paradoxes of set theory in math since there are truly two cycles of time – one as phase shift and one as a cycle being observed – and the two cycles are noncommutative geometry to each other. Consider this standard proof for the "square root of two."

$$top^2 = 2 \times bottom^2$$

This means that top^2 must be an even number - because 2 times anything is even.

And that makes top an even number too - because an odd number multiplied by itself is always odd.

What's more, if top^2 is an even number, so is $bottom^2$.

This is because an even number squared divided by 2 is still even - and $bottom^2$ is top^2 divided by 2.

That makes bottom an even number. So, top and bottom are both even.

That means that each of them can be divided by 2.

But hang on. We started out by saying top and bottom were chosen as the simplest possible ratio - any common factors had already been divided out.

Now we are saying they have to have a common factor of 2. This isn't possible. The only thing we can have wrong is our original assumption, which was that $\sqrt{2}$ is a rational number.

"The only thing we can have wrong".... No - the other wrong assumption is not understanding that $2/3$ and $3/2$ (squared to $9/4$) and halved to $9/8$ and cubed to square root of two - covers up that $2/3$ and $3/2$ are noncommutative phase originally - which means geometric mean squared assumes that harmonic mean can be squared as well ($9/4$) but harmonic mean is noncommutative to arithmetic mean as the subcontrary mean $2/3$. So geometric mean squared as 2 is not a valid number to derive irrational magnitude.

Replacing the Pythagorean knotted rope by a spin-half fermionic Dirac propagator for the quantum surveyor [As Cédric Bardot explains -](#)

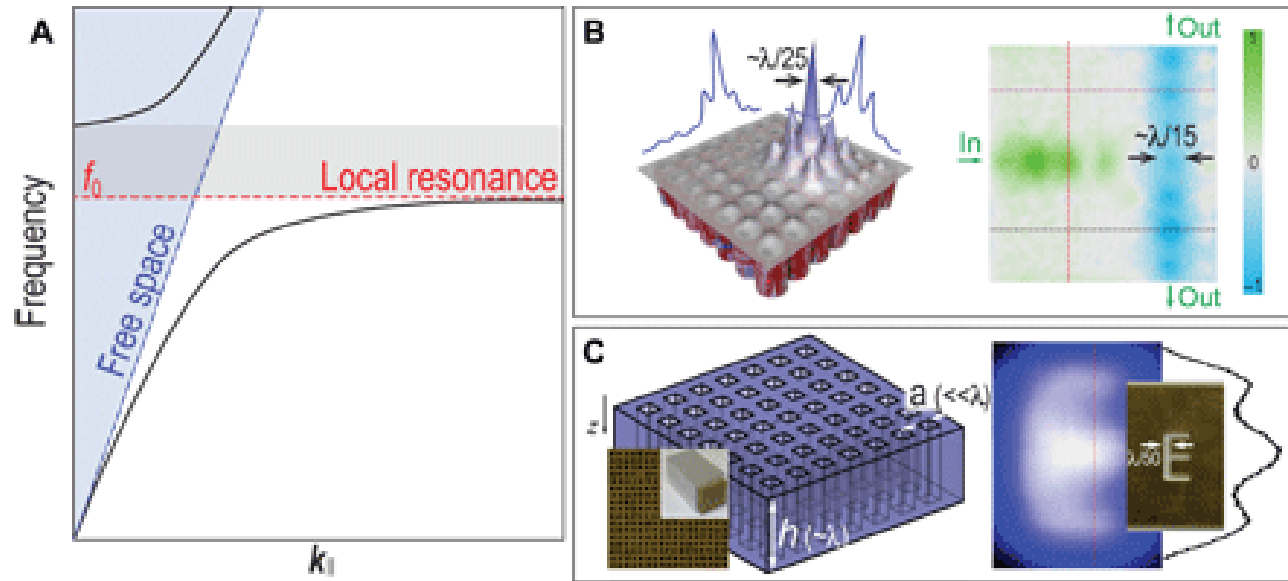
Brainwashed by Pythagoras and Descartes?

[Pythagoras Theorem in Noncommutative Geometry pdf](#)

Entanglement is an exclusive property of noncommutative...quantum systems.

But science has now realized that listening as perception is nonlinear, unlike vision as a measurement to align number and geometry being a linear operation. So what is called "time-frequency uncertainty" in

science or "Fourier Uncertainty" that is translated into "Heisenberg Uncertainty" based on Planck's constant of position and momentum (using angular frequency and time), is actually solved by listening as philosophy since humans can hear faster than Fourier Uncertainty.



Microtubules of Collagen, in meditation, as right brain dominant alpha-theta brain waves, are metamaterial with "subwavelength" of same frequency, thereby blue-shifting light into reverse time energy (virtual entanglement photons)

Our left and right ears achieve phase coherence that is inherently quantum coherent at the microsecond wavelength with a frequency of ultrasound, again the highest pitch we hear externally actually resonates the whole brain as ultrasound, as the "sixth sense" of proprioception, creating synesthesia.

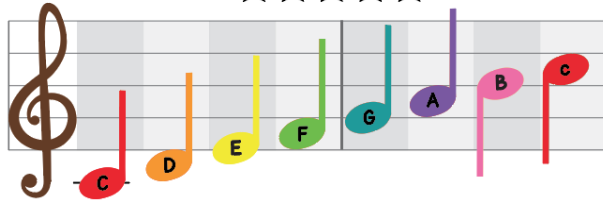


Oldest Tai-Chi symbol (no Wu Chi empty circle) -just yin-yang as noncommutative phase as the foundation of reality

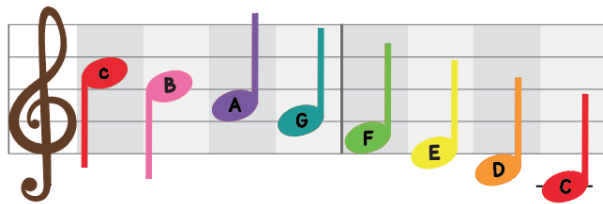
And so it is quite ironic that the pitch of F is perceived, almost universally, as the color blue – at least this was the agreement between myself and my chamber music camp roommate at Madeline Island on Lake Superior.

C Major Scale

Lesson 2.6



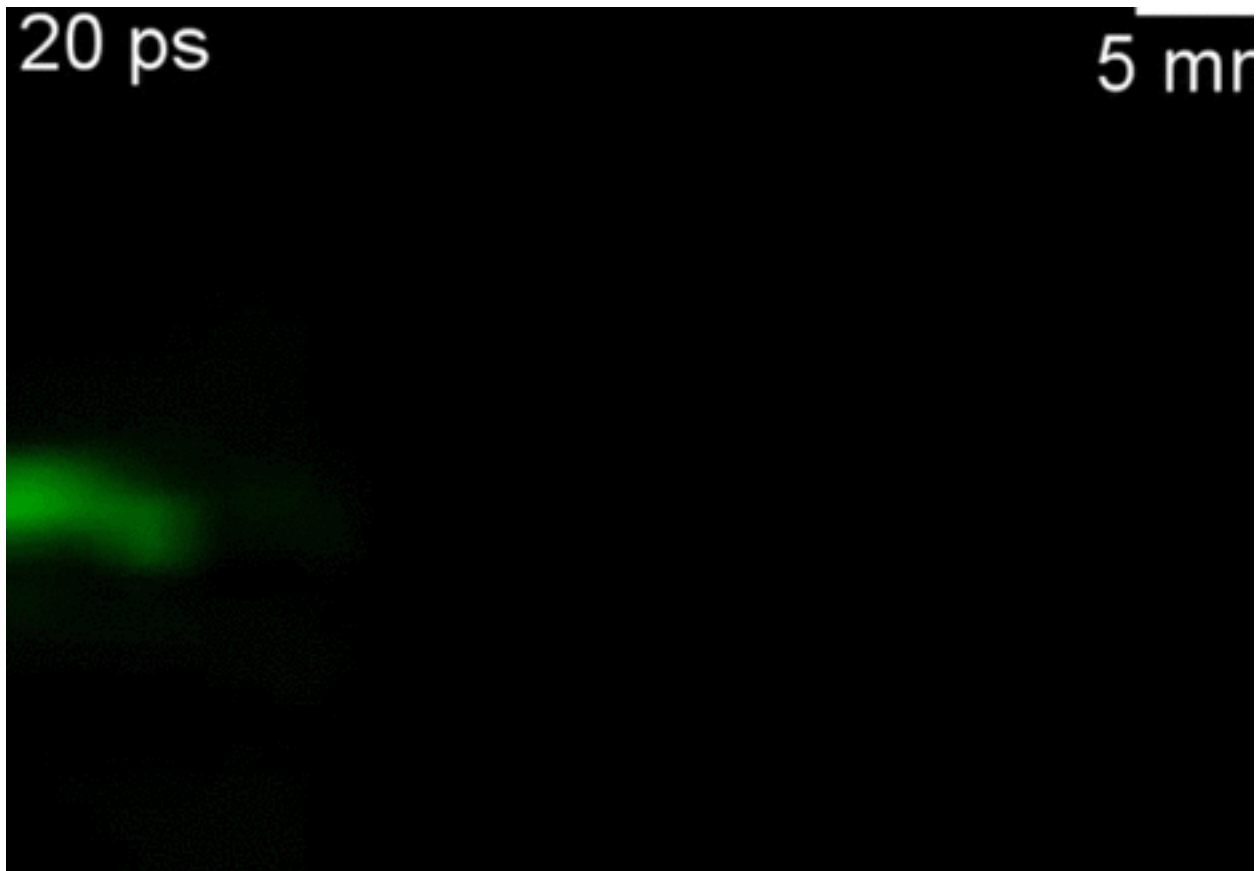
1st Time Sing Red Orange Yellow Green Teal Purple Pink red



1st Time Sing red Pink Purple Teal Green Yellow Orange Red



So now I realize that the secret of blues music is actually to create a bending of spacetime by what Louis de Broglie called the "hollow resonator" of the non-local wave guide or superluminal quantum entanglement phase wave.



Superluminal Sonic Boom Phonons of Light has now been documented

In other words there is a blue-shift of light by listening to the source of light as phase coherence of sound in 4D spacetime (localizing sound in time and space within our bodies with our eyes closed).

Each of the 12 harmonic notes of the Chinese alchemical music scale are Qi nodes, just as in Kriya yoga, as a month of the Solar Year (the Perfect Single Yang as Perfect Fifth infinite spiral) The Yellow Emperor, Huang Ti, in 2700 BCE, told Ling Lun to create the “infinite spiral of fifths” music tuning based on the Perfect Fourth music interval as yin and the Perfect Fifth musical interval as yang, according to the 240 BCE book, Lü-shih ch’un-ch’iu (

The Spring and Autumn of Lü Pu-Wei

Yang pipe became Yin, and by “increasing” the Yin pipe was transformed into Yang.

In the first case, the result was a downward generation, and in the second, an upward one. Thus we find a continuous process of generation, with continuous exchanges of qualities

between Yang and Yin, making clear the dynamic characteristics of the procedure followed.

Each of the 12 IUIU [pipes of Perfect Fifth/Fourth] were assigned a hou [climatic season] chosen among the 24 jieqi [solar terms]. For example, Huangzhong corresponded to Dongzhi [winter solstice]; Linzhong recalled the Dashu [great heat] and so on. Furthermore, the figure indicates, together with the names of the IUIU, the 12 dizhi [earthly branches] in their relative order. Thus the first IUIU corresponds to the first dizhi, that is to say Zi [son] and so on. The dizhi were also used to indicate couples of hours during the day; for example, Zishi [time of the son] indicates the hours from 1.00 p.m. to 1.00 a.m., and the other dizhi follow the order of the hours

[Martial Artist Chinese Language and Philosophy professor Patrick Edwin Moran](#)

This method has an ancient history, and was first written about in the *Lyu Shi Chun-qiu*, a text produced by the "think tank" of a late Zhou dynasty figure around 239 B.C., and the *Guan Zi*, a syncretic text attributed to a very early figure, Guan Zhong, who died in 644 B.C. The book may have been compiled in the late fourth century B.C., but may also contain materials going back to the historical Guan Zhong's time.

The Chinese rule is very simple: Take $\frac{2}{3}$ of the length of the open string, and put down a fret there. Then take $\frac{4}{3}$ of that second length and put down a fret there. The third step is to take $\frac{2}{3}$ of the last length, then $\frac{4}{3}$, and so forth. Let's see how that works.

The Chinese knew about the tempered scale even before it was invented in the West, but they chose not to use it.

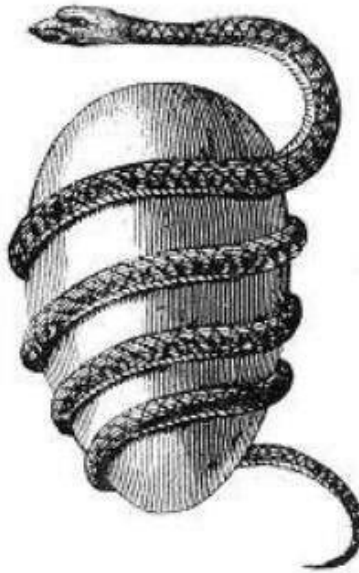
This process, called the "small universe" or "microcosmic orbit" or Kriya yoga meditation in China and India respectively is based on the 12 notes of music as body-mind harmonic nodes that transform the body using light turned back on itself. In Pythagorean Orthodox philosophy it is called Incubation requiring five years of listening in silence as meditation to the energy of the "snake-master" (Pythagoras).



Sophielinksu

THE ORPHIC EGG

From Bryant's An Analysis of Ancient Mythology



"The ancient symbol of the Orphic Mysteries was the serpent-entwined egg, which signified Cosmos as encircled by the fiery Creative Spirit. The egg also represents the soul of the philosopher; the serpent, the Mysteries. At the time of initiation the shell is broke, and man emerges from the embryonic state of physical existence wherein he had remained through the fetal period of philosophic regeneration."

-From *The Secret Teachings of All Ages* by Manly P Hall

To quote an expert: "Orthodox Pythagorean theory recognizes five consonances: fourth, fifth, octave, twelfth, and double octave; and these are represented by the multiple and superparticular ratios $[n + 1 : n]$ from the tetrad. The number 8 obviously does not belong to the tetrad." André Barbera, "The Consonant Eleventh and the Expansion of the Musical Tetractys: A Study of Ancient Pythagoreanism," *Journal of Music Theory*, 1984. Like I said, the Pythagorean Theorem did not come from Pythagoras! No 8 means no $9/8$ which means no $9/8$ cubed as the square root of two, no Devil's Interval and no "scandal of the irrational." As Peter Pesic reveals, in his *Music and the Making of Modern Science*, Boethius explains the alchemical blacksmith training of Pythagoras based on complementary opposites or creative fire of the Tetraktys or Tetractys (the alchemical Tetrad of fire under water to create air as qi or prana - called Ion). Boethius tells that "the fifth hammer $[9/8]$ which was dissonant with all, was rejected." Here Pesic decides that actually the Pythagoreans had to accept this interval - despite

Boethius just telling him otherwise! In fact the ancient "Lyre" or tambura (or tanpura) of India just has four strings - based on the octave, Perfect Fifth/Perfect Fourth as complementary opposites. And the secret is the infinite resonance of noncommutative phase.



Mithras or Phanes (the Light) emerging from the Cosmic Egg and surrounded by a mandorla of the zodiac (corresponding to the twelve "altar fires" in the Pythagorean tarot) - secret of the Small Universe meditation from Ancient Pre-Socratic Pythagorean (Snake-master) blacksmith alchemy
"The first four divine number ratios (1, 1:2, 2:3, 3:4), equivalent to the vital energy of Taoist qi gong, are considered the "seed of fire," the "creative essence," and "logos," by Pythagoreans."
citing Grandy, David. 1993.

The Musical Roots of Western Mathematics, Journal of Interdisciplinary Studies V (½): 3-24.

LOVE'S *TETRACTYS*

┌──────────┐
10 : 20 : 30 : **40**

40 : 30 : 20 : 10
└──────────┘

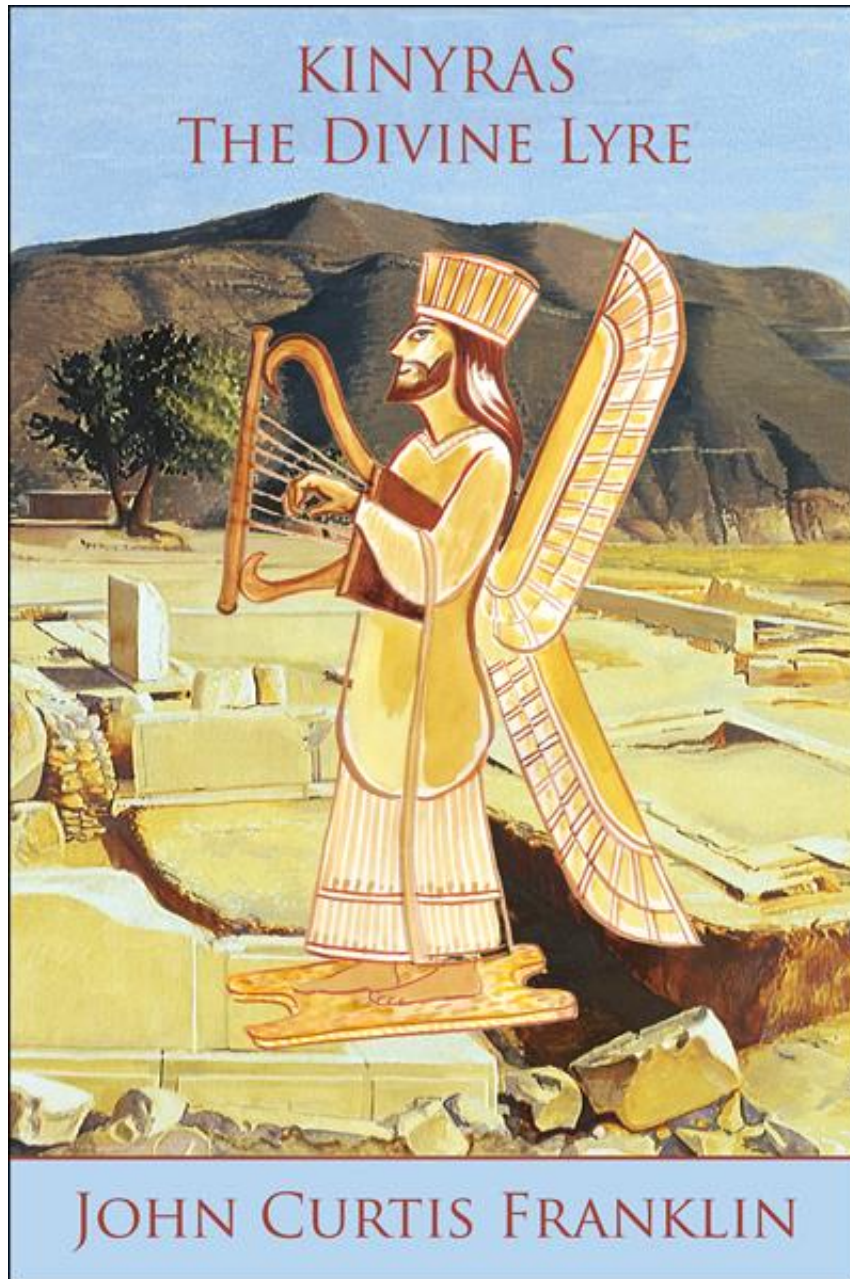
STRIFE'S *TETRACTYS*

Empedocles' Cosmic Cycle and the Pythagorean *Tetractys*

Oliver Primavesi - secret of noncommutative phase harmonics

Published Online: 2016-07-15

Simple yet ingenious, the bow is a mechanical riddle, worthy of the divining powers of Apollo—for “this god is in charge of Harmony” (ancient Greek translated), a four-fold domain comprising music, archery, divination, and healing. According to epic formula, Apollo’s domain was “the lyre and bending bow” (ancient Greek translated). The string once connected, the bent arms attempt to diverge (ancient Greek translated) and release the potential energy invested by the bender; they are instead forced to converge (ancient Greek translated). The disparate parts thus joined, the bow emerges as a single and continually self-interacting whole, at once articulated and a continuum, limited and unlimited. [“Harmony in Greek and Indo-Iranian Cosmology”, *The Journal of Indo-European Studies* 30.1/2 \(2002\), 1-25 Professor John Curtis Franklin](#)

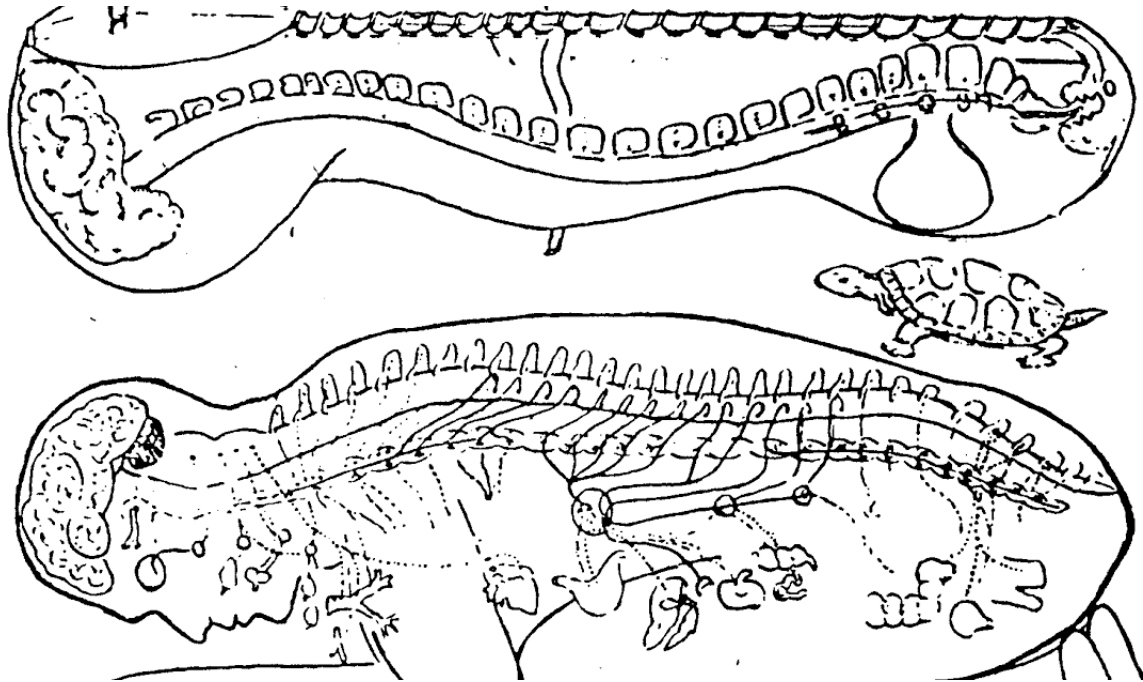


Harvard University Press, 2016 [Fully readable free](#)

The Orphic Cosmic-Egg Snake is, according to the amazing book *The Origins of European Thought: About the Body, the Mind, the Soul, the World, Time, and Fate* by Richard Broxton Onians, Cambridge University Press, 1951: pp. 118-122 - Pythagorean alchemy secrets of the consciousness conspirachi from 5th C. BCE!

["begotten by a wind...a breath-soul...harmony...drawn from the whole body...gathers in the spinal marrow...most of it flows from the head...a Pythagorean quoted, 'that the](#)

seed....generative water of the marrow [aka cerebrospinal fluid].... that breathes through the reproductive organ.... is a drop of the brain containing in itself warm vapour....the union of the two serpents represent the life complete by the union of the male and female'.... (googlebook)

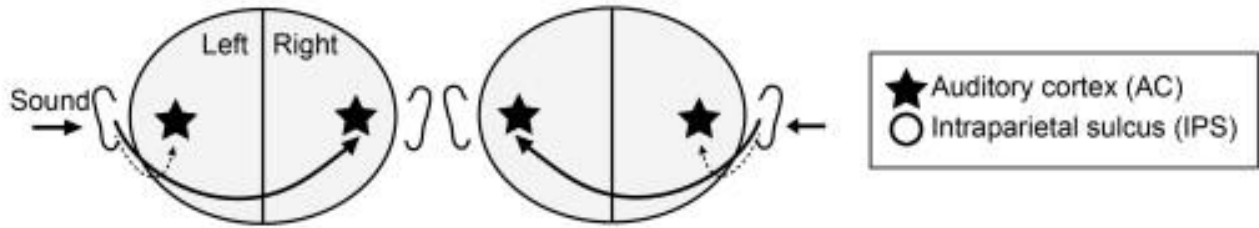


The Veena with 24 frets is the spine as prana energy tuned by the three gunas: Octave (sattva), Perfect Fifth (rajas), Perfect Fourth (tamas). As Yogananda describes Kriya Yoga, "The Kriya Yogi mentally directs his life energy to revolve, upward and downward, around the six spinal centers (medullary, cervical, dorsal, lumbar, sacral, and coccygeal plexuses) which correspond to the **twelve astral signs of the zodiac, the symbolic Cosmic Man**. One half-minute of revolution of energy around the sensitive spinal cord of man effects subtle progress in his evolution; that half-minute of Kriya equals one year of natural spiritual unfoldment." **Ref: Sriranga sadguru in "Amaravani"** "The 24 frets of the (Veena) instrument are analogous to the 24 cartilages in the spinal cord. The number 24 also relates to the 24 syllables in the Vedic Gayatri mantra."

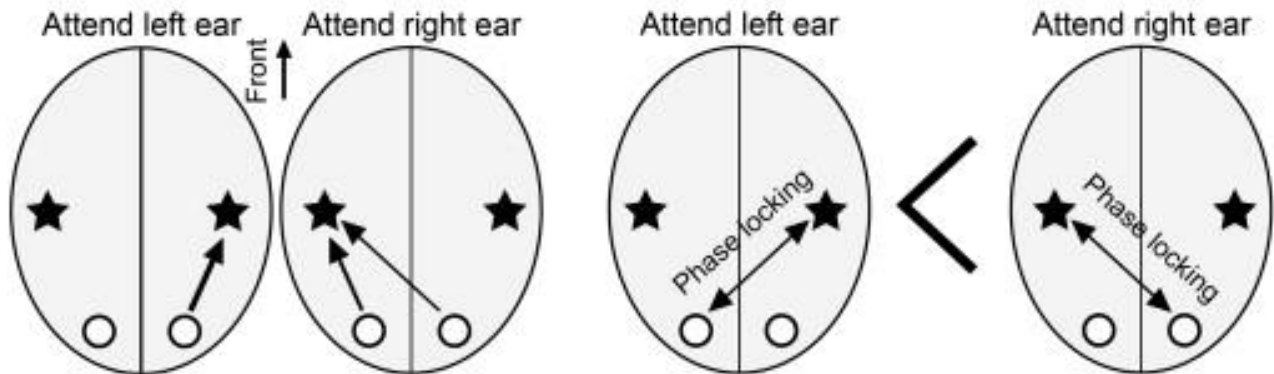
Acoustic engineer and Vedic sound expert, Dr. M.G. Prasad.

As quantum biology has shown with our eyes open we emit biophotons but if we close our eyes and visualize light, then the right brain increases our biophotons.

AC responses to monaural sounds



Connectivity hypothesis

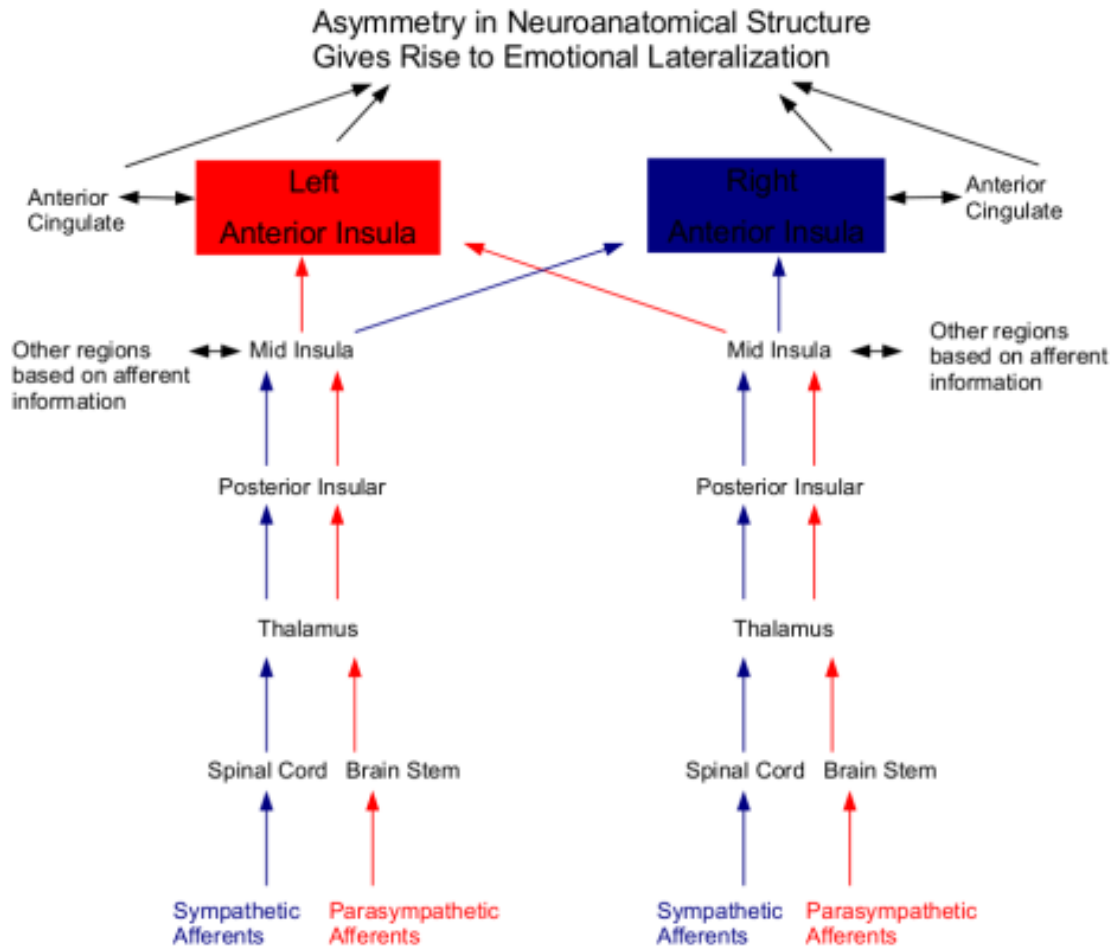


This to music is right brain dominant as with visualization with eyes closed, causing brain phase coherence

"Binaural hearing is the acoustic analog of the interferometer or double-slit experiments. The two ears can be regarded as an acoustic interferometer, which recovers the phase difference of signals between the two ears by binaural correlation....matter waves are locally in phase with the superluminal particle clocks (de Broglie's Law of Phase Harmony).

The clock runs forever so it's self-sustaining (consciousness-energy). It resonates with the quantum vacuum." Physics Professor Manfred Euler

"Consistent with our hypothesis, stronger cross-hemispheric PPC (pairwise phase consistency) was observed between the right IPS (the intraparietal sulcus) and left AC (auditory cortex) for attended right-ear sounds"



The right side vagus nerve connects the serotonin neurohormones of the lower body with ultrasound piezoelectric collagen resonance bypassed the blood-brain barrier via the pineal gland. The right side vagus nerve connects to the left side of the brain but the left side vagus nerve does not connect to the right side of the brain, causing left-brain dominance to be controlled by the subconscious lower body emotional neurohormone blockages.

But we perceive music pitch also with our right brains and so we can then synchronize our visualization with our pitch perception as the 5th dimension that is quantum coherence or quantum entanglement directly from noncommutative geometry of quantum phase (the spin $\frac{1}{2}$ of the half quantum of time-frequency uncertainty in the measurement paradox of quantum relativity). Dr. Mae-Wan Ho called this "quantum jazz" since the auditory perception is nonlinear and quantum coherent - faster than time-frequency uncertainty or Fourier Uncertainty that otherwise does not enable a Perfect Fifth harmonic to be perceived (by technological linear operator measurements).

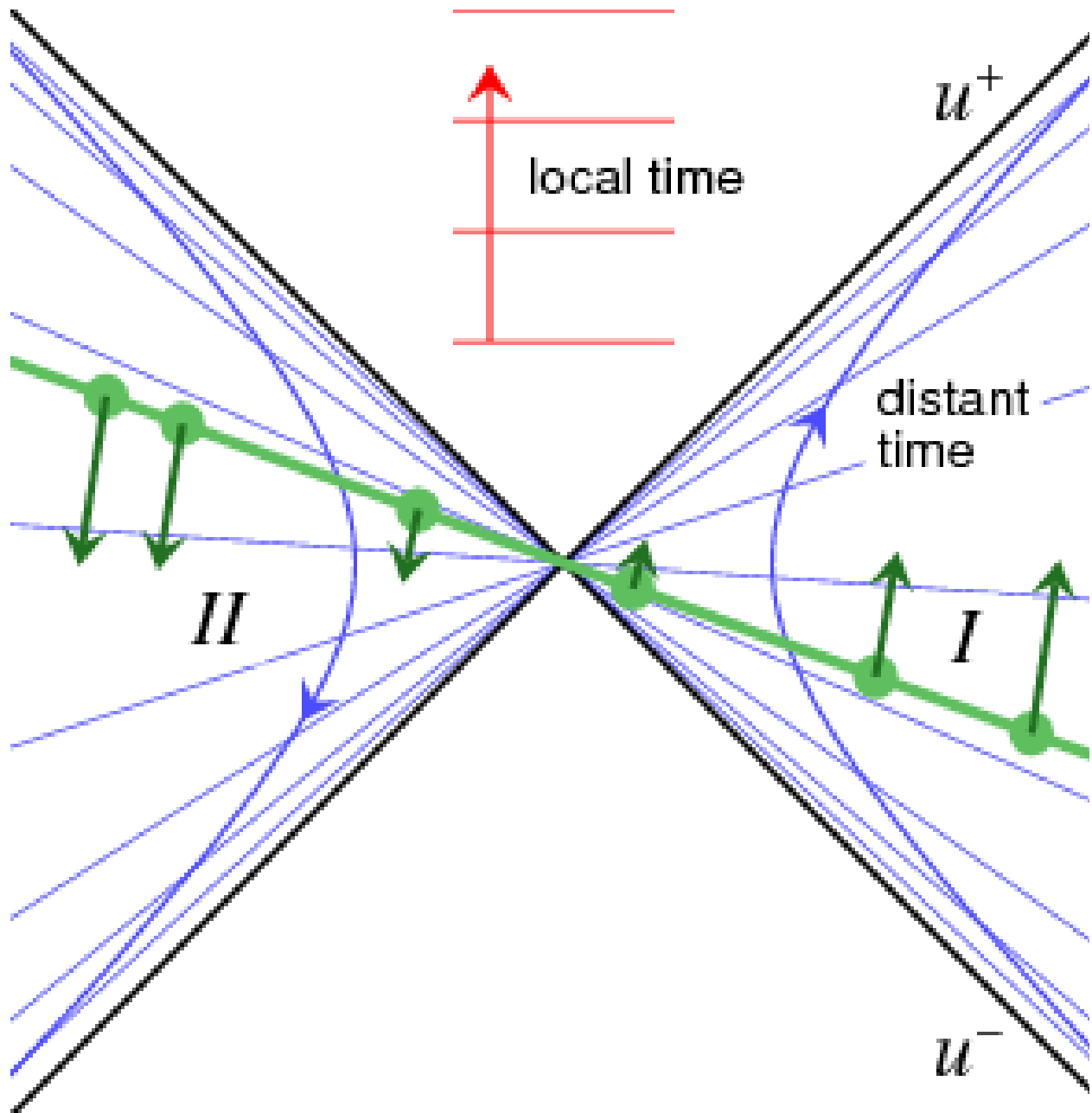
"...superconductivity within one neuron could become phase coherent with that in an adjoining cell by virtue of quantum tunnelling, and this could be stimulated by the macroscopic analog of stimulated emission (alluded to before in connection with the mantra), that is an AC Josephson effect. ...At a more interesting level, the quantum vacuum state may be said to be empty (of excitation) and yet full in the sense of pure potentiality; it contains "virtual" (unphysical) representatives of all possible modes of matter and excitation in the form of vacuum fluctuations or "virtual particles" (zero-point excitations of

each field mode, assigned one-half quanta of energy, due directly to the non-commutative property of the field operators)."

[Former Hampshire College physicist Lawrence Domash, confirms superluminal quantum sound as noncommutative meditation! 1975, pdf](#)

"molecular vibrations exhibit a super-radiant instability....results in macroscopic quantum coherence...required to account for quantum-limited measurements in sensory systems....in accord with experiments in the sensory receptors of the inner ear....hearing is a macroquantum phenomenon....Thus, the ear not only makes use of a novel mechanism to reduce thermal noise, it possesses a device as noiseless as the uncertainty principle allows, and in this way it makes quantum-limited measurements, in spite of thermal noise. It is the presence of this device, a quantum limited amplifier, which makes the perception of sound a macroscopic quantum phenomenon....In the quantum-limited regime the phase of the signal is translated into the phase of the amplifier wavefunction, as is clearly true in Josephson junction devices, for example....they must be *coherent*....phonon super-radiance provides a natural means of explaining the macroscopic quantum effects....a coherent oscillation amplitude....spontaneous "beating"... at a frequency close to its resonance... will be reflected as sound *emitted* by the ear....microscopic mechanisms in which quantum coherence lives for a time comparable to measurement time, on the order of one millisecond. It is this results which completes the evidence in favor of Schroedinger's view of life as a macroscopic quantum phenomenon. There is simply no way to understand the sub-angstrom displacements in the inner ear without postulating a molecular mechanism in which quantum coherence is manifest on macroscopic scales of time and distance."

Quantum Effects in the Dynamics of Biological Systems, 1983, Lawrence Berkeley National Laboratory, William Bialek (currently Princeton Professor)

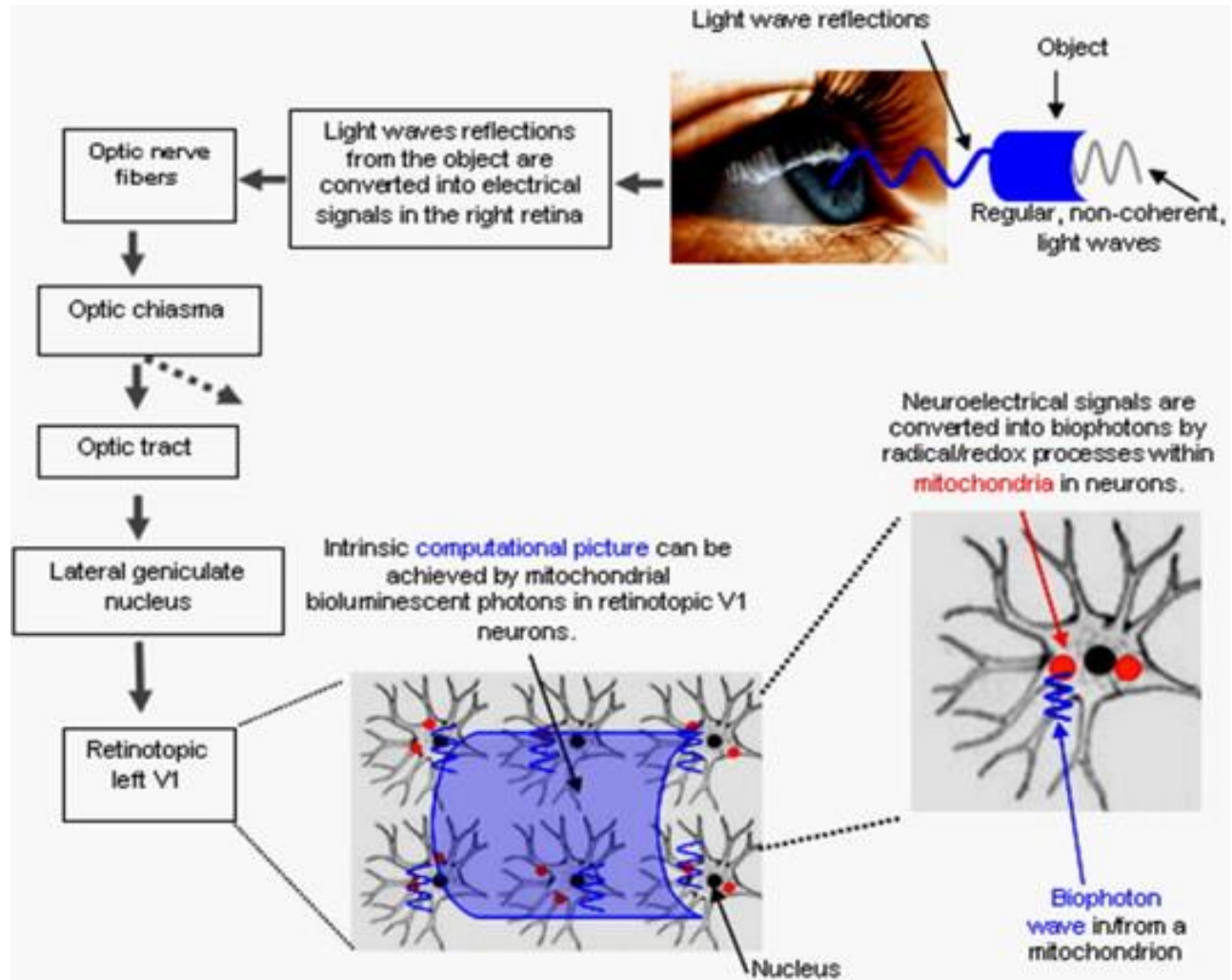


Nobel Physicist Gerard 't Hooft - we live within 5D virtual micro black holes with quantum entanglement of past and future

"The truth is that we don't know what would happen when those black holes evaporating reach the Planck scale, they could very well stabilize into some kind of hybrid object. There could be some kind of balancing of the pressure as it loses mass. As a particle loses its mass it will have a quantum tendency to increase its wavelength, on the other hand it will have a gravitational tendency to increase and those two could balance each other....zero-dimensional noncommutative extension of spacetime could explain this....Photons do not experience time."

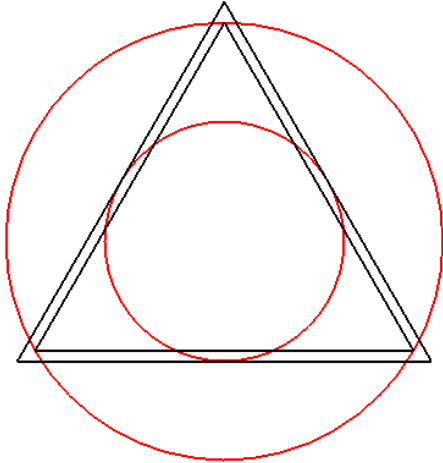
[Shahn Majid, Noncommutative Geometry Quantum Physics Professor.](#)

And so the ancients knew this secret directly – as the "three gunas" – the oldest philosophy of India is actually from the Octave (sattva), Perfect Fifth (rajas) and Perfect Fourth (tamas). This is called "three gunas of no guna." When we get dragged down (red-shifted in spirit) to the Perfect Fourth as symmetric visual form – the beauty of Maya of the female matter – we wrongly perceive this as a "contained" infinity when the truth is that reality as arithmetic number is inherently infinity that cannot be contained, as complementary opposites or male and female number.



Blue light phase shift from meditation - listening to nonwestern natural harmonics as infinite energy

Kepler, for this reason, was against the "closed form" of the Golden Ratio, a solution that relies on reversing the geometric noncommutative harmonics – such that A is to B as B is to A plus B is changed to A is to B as B is to A minus B for the closed form Golden Ratio solution. In fact, as Kepler knew, the Fibonacci number series is an infinite arithmetic process with the equilateral triangle inverting as complementary opposites – as the secret of the circle energy.



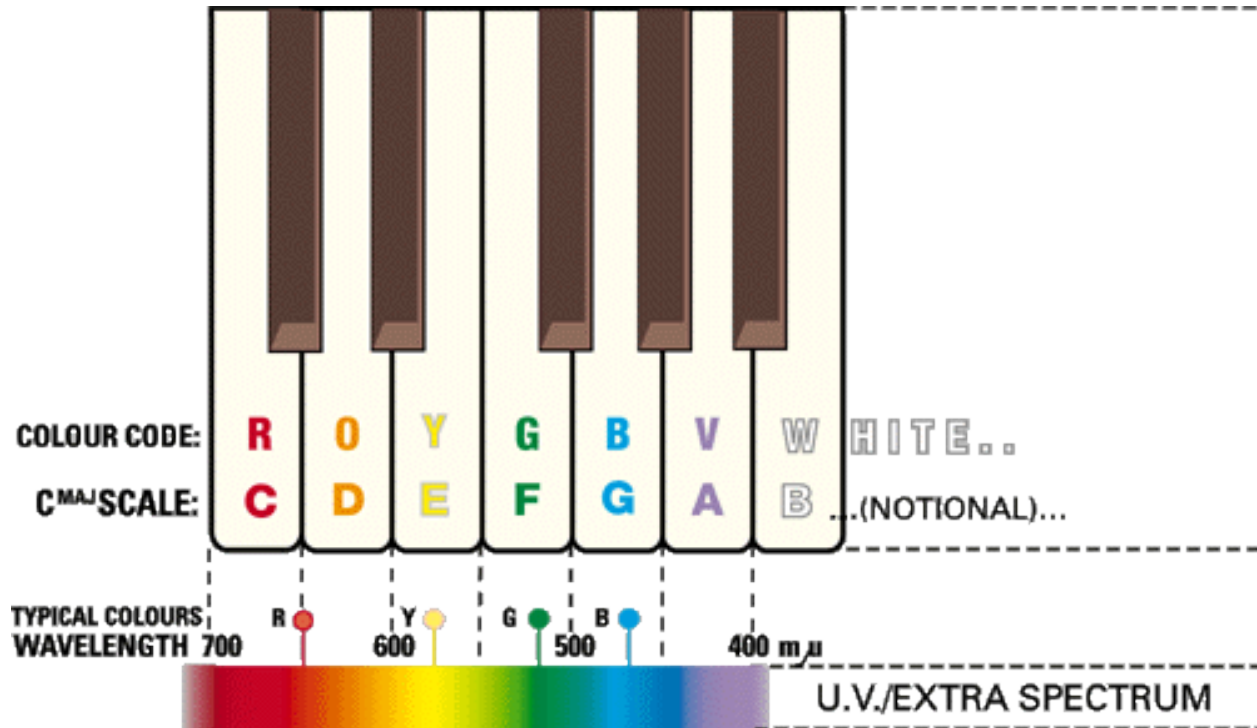
Kepler's Pythagorean Harmonics of 5/2 Saturn-Jupiter resonance is noncommutative inversion (5/4) as cube root of 2 or formless harmonics resonating into 4D spacetime (bifocal vision for life on Earth).

This is why his Rosicrucian symbol of alchemy is a circle with a triangle circumscribing and a triangle contained within the circle as the inverse. India had the same secret as the mandala of Shiva and Shakti with, as Stephen Hawking points out "sacred geometry" that cannot be contained as a visual infinity of matter, but rather transcends into the ether as sound, the original space that is formless but can still be listened to.

And so in China the Tai Chi has the same mysterious origin from music theory with the Octave as the Emptiness, the Perfect Fifth as Yang and the Perfect Fourth as yin. So then the alchemical process is to transform the yin of matter back to the source of its true reflection as the Emptiness and this is done by "turning the light around" – the Single Perfect Yang is literally the Perfect Fifth as the number 3, that is turned back into the source of time, as the Emptiness or Absolute Void that radiates spirit healing energy from non-locality, the 5th dimension that is heard in silence, by eternal listening.



And so with Blues music, the major third in Western tuning, as the logarithmic or symmetric math of the cube root of two, is "bent" back to its natural harmonics of 5/4 from the natural overtone series since the Harmonic Series diverges and so is the "the invention of the Devil" as one mathematician called it – it is an infinity that cannot be contained through visual measurement.



Newton's Pythagorean Harmonics for Color have Quantum Undertone noncommutative phase of Perfect Fifth/Perfect Fourth as infinite time-frequency energy transduction aka alchemy

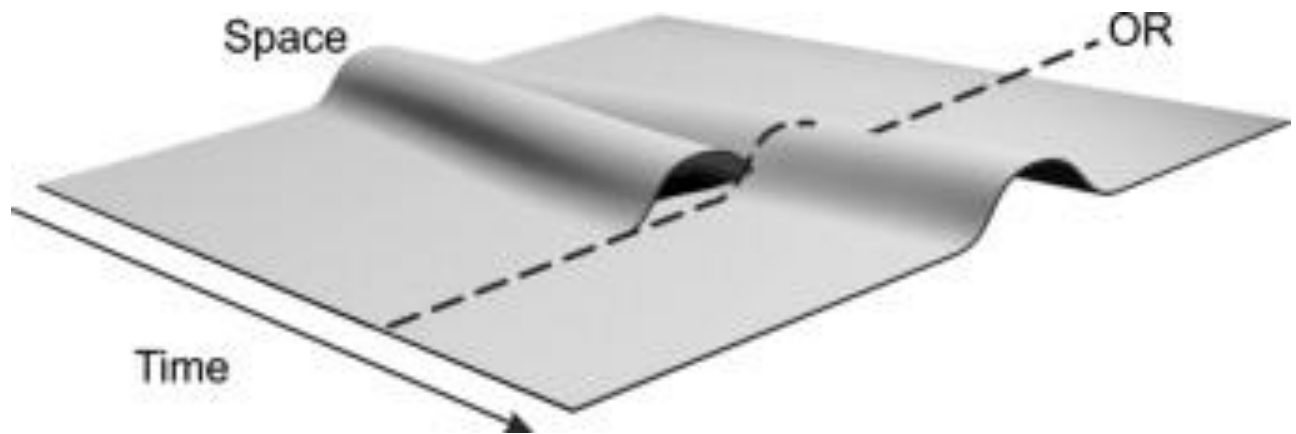
So then in Blues Music it is acknowledged that the Perfect Fifth and Perfect Fourth are never resolved into the Octave, just as in traditional Chinese music the Octave is not even properly doubled, with the pentatonic scale based on the Perfect Fifths.

"Would such perceptual levels of a blue note continuum correspond to a homology of spatiotemporal dimensions....Do such temporal twangs exhibit any of the Doppler shifting properties....Would such a homology of dimensions parallel the unity described in my meditation on spatial snaps and asynchronies?... The asynchronous execution of blue notes...."

Snap, Twang, and Blue Note: A Cross-Cultural Examination of Features that Accompany Temporal Deviations in African-American Musics

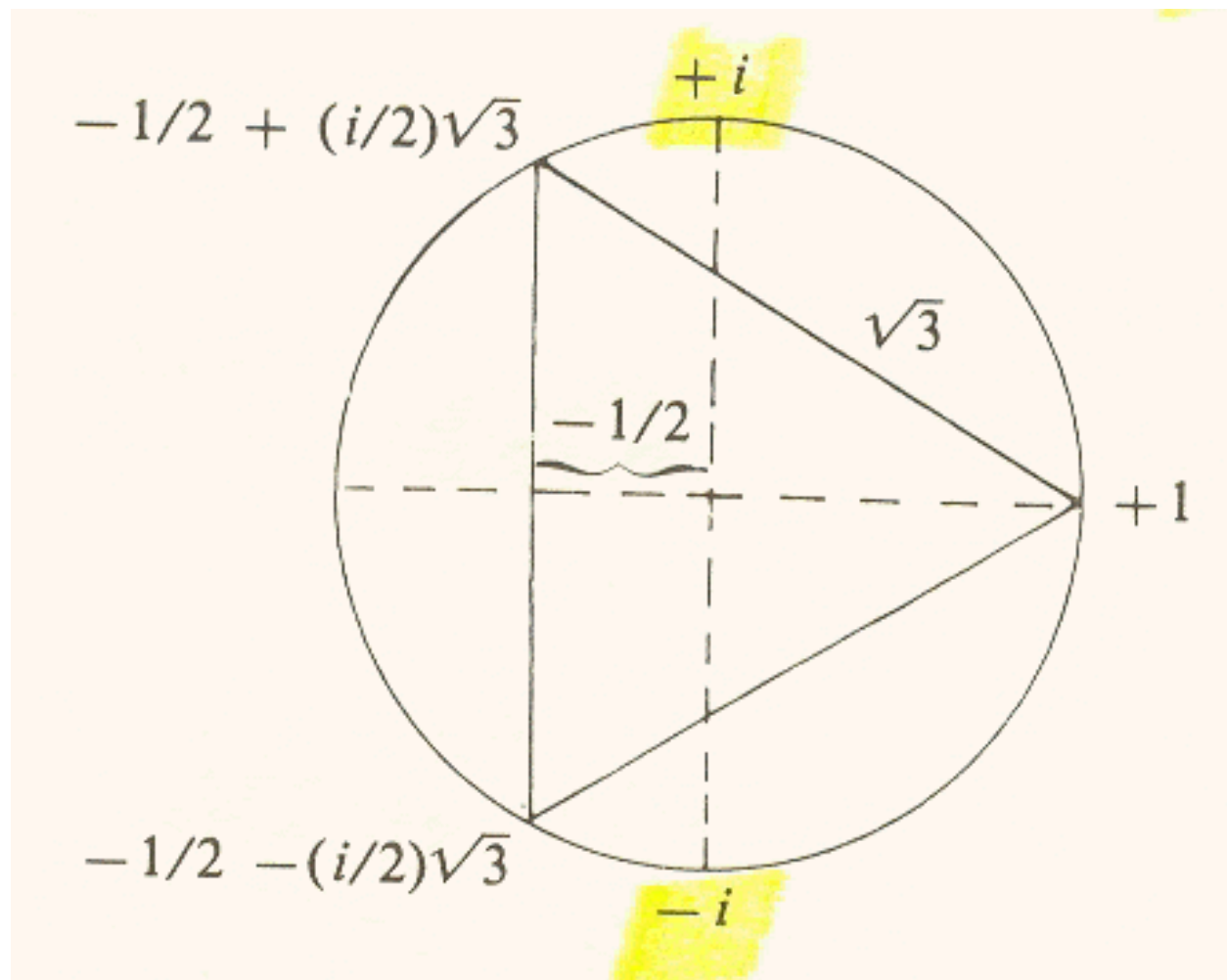
Daniel Mayer Oore, Ph.D. Thesis, 2017

It is understood that the "infinite spiral of Perfect Fifths" as the Single Perfect Yang energy or "yuan qi" original energy of the Universe is non-local, Just as Pythagoras said "one is not a number" and instead we have infinite creation of energy and matter from the inherent "not-two" source of reality (the literal translation of "nondualism.")



ORCH or Orchestrated Objective Reduction as nonlocal noncommutative protoconsciousness
quantum phase origin of 4D spacetime

So then "not-two" means that the perceived pitch of the Octave as the same geometry of C, from the root tonic of C is actually not accurate. Math professor Alain Connes (winner of the Fields Medal) has stated that because two doesn't go into three, then the equation (2, 3, infinity) means music theory is a "universal scaling system" that unifies quantum physics and relativity.



As Arthur Young realized it is asymmetric time that causes 4D spacetime to emerge from a 2D quantum entanglement time-frequency harmonic or inherent noncommutative quantum phase as the 5th dimension: [Finding the roots of unity becomes simply a matter of inscribing polygons within the unit circle: a triangle for cube roots](#)

As Connes states, amazingly the source of reality is based on pure frequency-time as a triplet measurement of the 5th dimension and so from this, our brain, does a conversion back into 4D spacetime geometry. Similarly Andrei Linde, a quantum cosmology professor, states that if the Universe can go faster than time-frequency uncertainty, this explains how matter is created from zero energy and zero spacetime – as a noncommutative scalar phase-shift. Just as we can listen faster than Fourier Uncertainty, so too does the Universe create the Big Bang from a synchronized quantum phase coherence that is non-local and noncommutative. This "asymmetric time" as "negative frequency" (from the future!) then created the Big Bang, as Sir Roger Penrose points out - as protoconsciousness or quantum noncommutative phase.

Horizon: Penrose diagrams

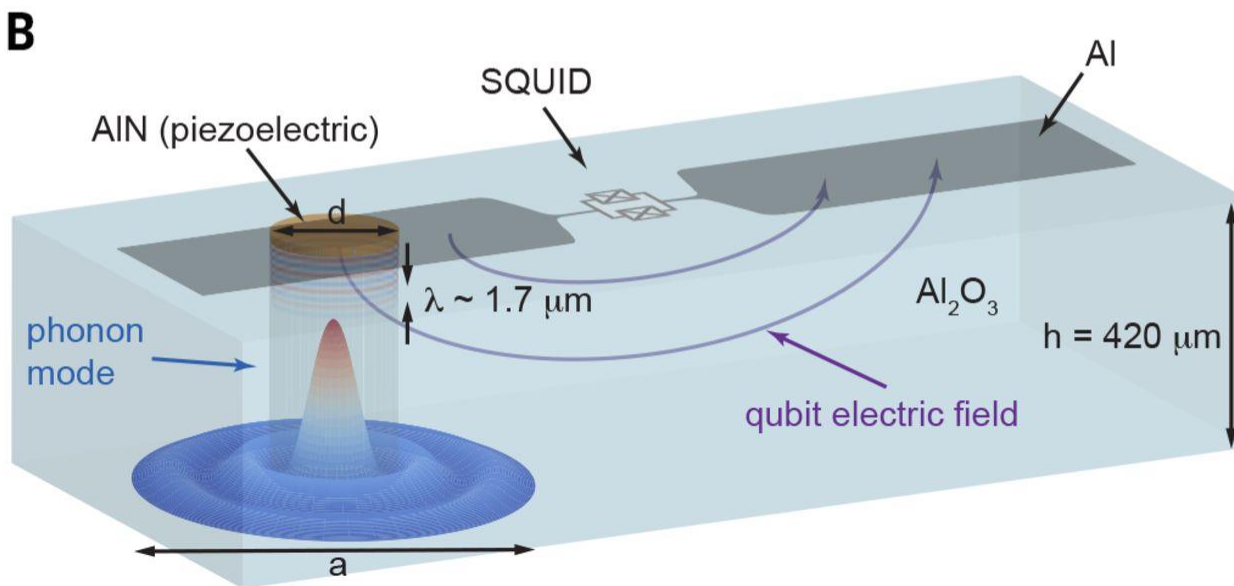
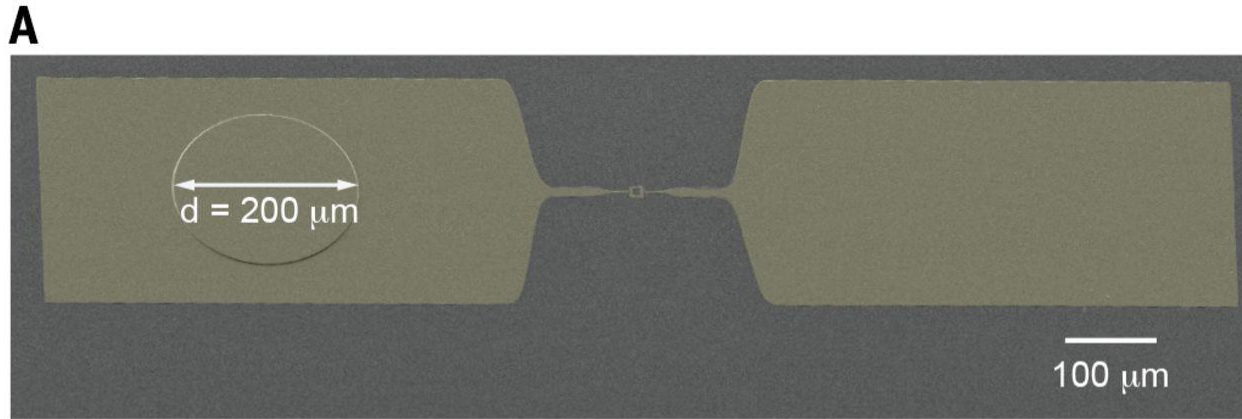
A 50 B
50 Years 1958-2008

50 years of the Aharonov-Bohm Effect: Concepts and Applications

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Positive momentum negative frequencies so has to be in one form as noncommutative phase of anti-particles entangled with particles

So as Alain Connes points out quantum geometry then finally resolves the paradox of incommensurability in mathematics since both the continuum of symmetric logarithmic mathematics, irrational magnitude, and the discrete numbers of arithmetic, are contained within the noncommutative quantum phase that has a geometric dimension of zero and is time-like. Astrophysics professor Paul S. Wesson states this means reality is a 5D black hole and that this is explained by Louis de Broglie's Law of Phase Harmony and it also, Wesson stated, explains spiritual phenomenon.

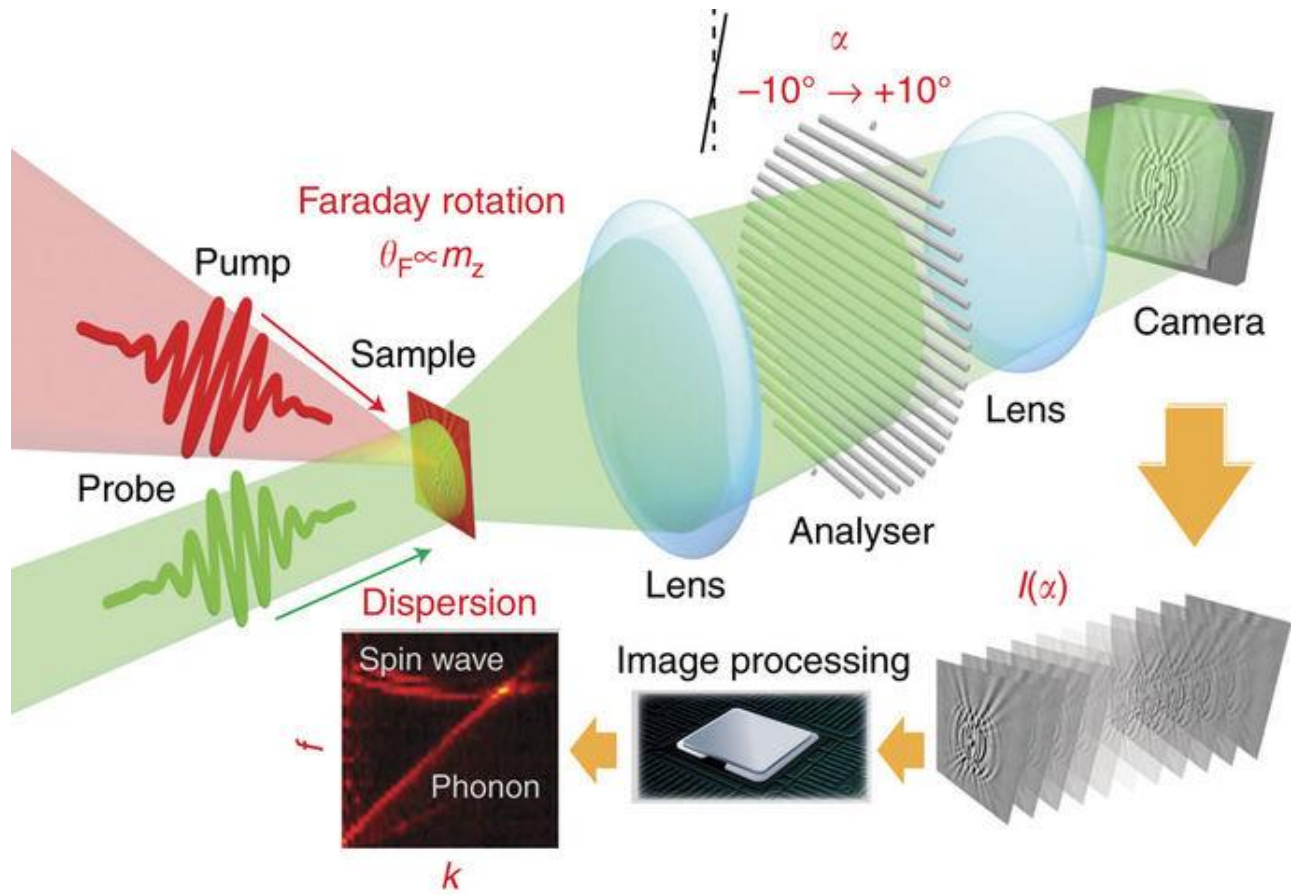


Since Microtubules are Metamaterials through piezoelectric ultrasound a dielectric spacetime density enables quantum noncommutative phase coherence to capture virtual phonon energy and store it - from the future - holographic information, just as a squid Josephson Junction does. Spin-electron acoustic waves give the explanation for the high-temperature superconductivity

A single photon has such little momentum transfer so then it is amplified through a mirror feedback at the same frequency. Since sound waves are just 1 dimension, so this makes the transduction easier. The entanglement through beam splitting of the mechanical resonator enables frequency transduction while maintaining phase coherence.

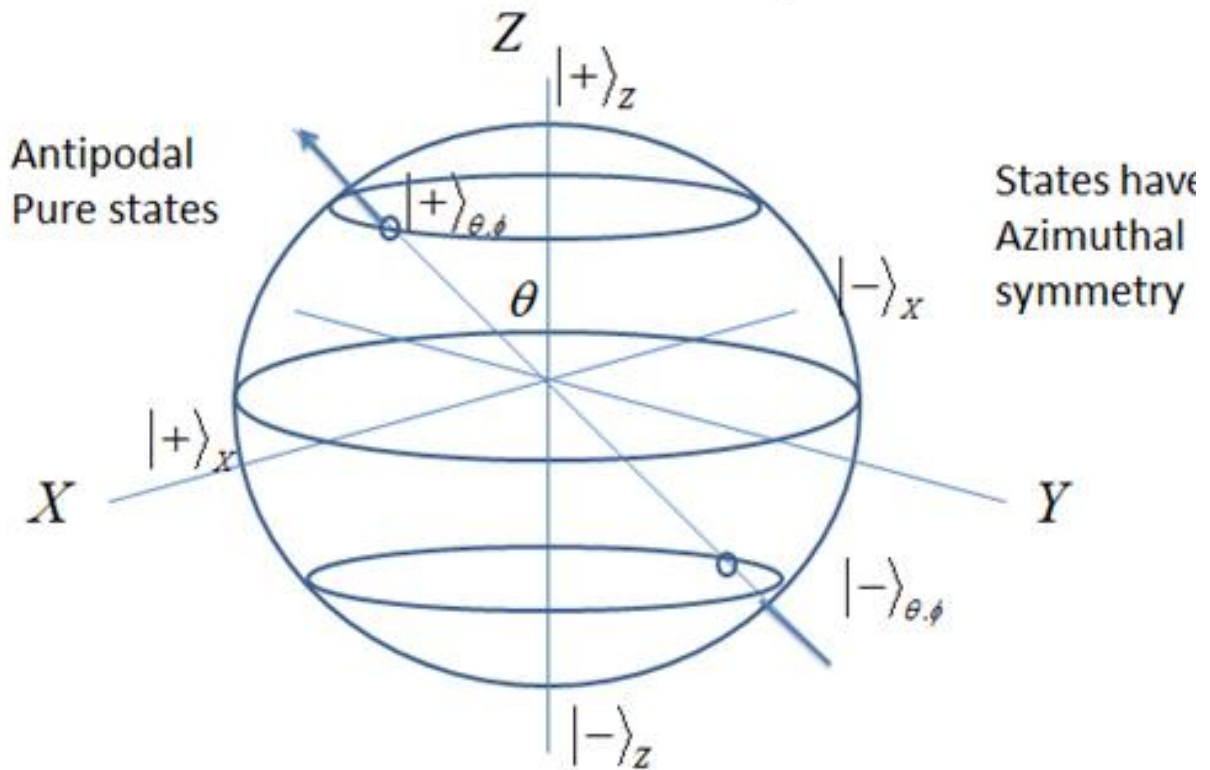
Total Reflection can approach Unity if Pitch is Half the Wavelength [octave], close to the qubit transition frequency [noncommutative phase]

The researchers note that the high-frequency piezo-electromechanical device [microtubules] is compatible with superconducting qubits—the unit of information analogous to digital bits in conventional computing. ... "We found that even a single quantum particle of sound, or a phonon, can live for a very long time when it bounces back and forth between these mirrors," Chu explained.



To quote a quantum physicist who is also an evangelical preacher-healer, speaking in tongues: "It is important to note...pump amplitude is a complex number containing the relative phase of the pump field....The sign of the coupling constant for retrieval must be the opposite of the sign for storage in order to cancel the phase accumulation during the pulses....The [time-frequency] pulse swaps the state halfway so that they become maximally entangled....oscillates around the horizontal plane of the Bloch sphere."

Bloch Sphere spin $\frac{1}{2}$



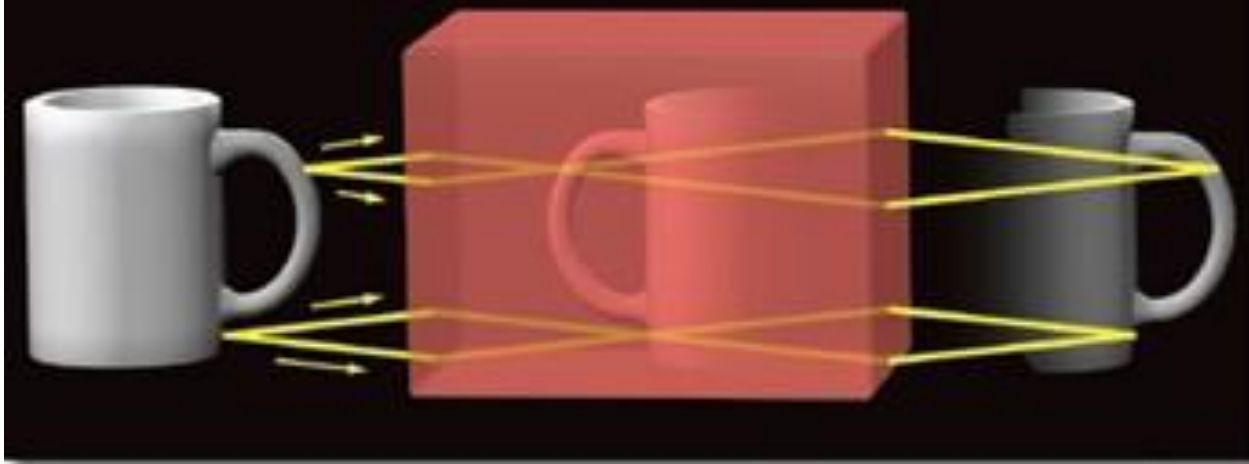
Swapping at the half way point of spin 1/2 means the 5th dimension that can not be visualized but is quantum entangled as noncommutative phase

And so when Planck devised his constant of "action" he was actually inspired by his recent experiments with equal-tempered music tuning, as Peter Pesic points out:

"In the sense the analogy is quite exact between [equal-tempered] harmonium and black body....energy corresponds to pitch with Planck's constant h as the conversion factor." And so what Dr. Juliana Mortenson emphasizes is that Planck converted "cycles per second" into just "seconds" as density. And so Planck's Constant is actually the mean average energy of light frequency divided by cycles per second. By Planck relying on an "equal-tempered" constant, inspired by the wrong music theory, he covered up the non-commutative time-frequency phase that guides the light, as noncommutative spacetime, the relativistic mass or hidden resonance momentum of light.

THE SUPERLENS

A rectangular slab of negative-index material forms a superlens. Light (yellow lines) from an object (at left) is refracted at the surface of the lens and comes together again to form a reversed image inside the slab. The light is refracted again on leaving the slab, producing a second image (at right). For some metamaterials, the image even includes details finer than the wavelength of light used, which is impossible with positive-index lenses.



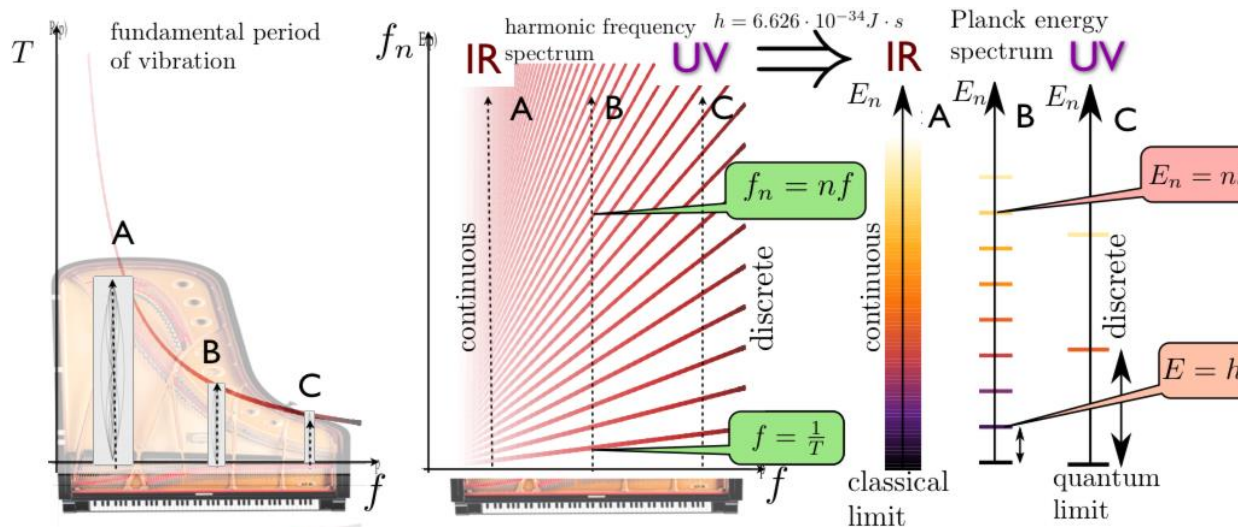
Microtubules as Metamaterials harvest virtual photons from the 5th dimension as

asymmetric geometric bluntness:

the beam travels a further distance in a shorter amount of time,

It is contended further that a photon energy-frequency relation of half that currently accepted is consistent with the quantization of energy of the standing waves mode of a cavity oscillator, as assumed by Planck in his successful theory of the blackbody spectrum....Rather since a standing wave can be regarded as a superposition of two oppositely-traveling waves of equal amplitude, the expected number of photons is twice the number of energy multiples of $h\nu$based on the relativistic Doppler effect. [noncommutative phase as scalar]...a trajectory that reverses in ordinary time may be interpreted as giving rise to pair creation and destruction events.

[David C. Lush Composite Photon Energy-Frequency Relation based on de Broglie's Law of Phase Harmony](#)



Planck's Constant is simply a conversion of noncommutative time-frequency into an "equal-tempered" average of light energy.: Donatello Dolce, Ph.D.

As Peter Pesic quotes Schrödinger , analyzing de Broglie's discover of momentum as directly proportional to energy frequency and inverse to wavelength, that the emitted light at the quantum jump transition of electrons, is actually a "beat frequency" as a "deep 'difference' tone" [undertone or subharmonic].

"One only needs to imagine that the light wave is causally related to the *beats* which necessarily arise at each point in space during the transition, and that the frequency of light is defined by the number of times per second the intensity maximum of the beat-process repeats itself."

The light emitted is then actually the inverse of the speed of light squared, as per the de Broglie-Einstein equation. The observer sees the light emitted by the particle, as the relativistic inverse proportion or "beat" harmonic that is noncommutative phase of the guiding wave itself that is superluminal.

de Broglie had explained the origin of "no beats" from the guiding wave itself as inverse proportional to the momentum of the matter wave but because Schroedinger sacrificed the relativistic quantum analysis, only clinging to his "overtone harmonics" to explain multiple particles, then the true meaning of Planck's constant and the quantum jump was lost. Professor Yusuf Ziya Umul at Cankaya University, Ankara Turkey explains:

It is mentioned and proved that the de Broglie-Einstein velocity equation is universal and is valid for the non-relativistic cases since it does not depend on the relativistic case. It must also be put forward that this equation is obtained from the fundamental equations of the quantum theory and special theory of relativity....It is important to note that this result also affects the correctness of the differential equations of the quantum theory like the Schroedinger equation....The electrical scalar potential satisfies the Helmholtz equation for time-harmonic waves and Aharonov-Bohm showed that the electromagnetic potentials [nonlocal 5D] have physical reality. For these reasons, the scalar potential represents scalar wave propagation in space....The frequency shift of a photon creates an electron.

Another way to understand this - as Schroedinger and Planck were both referring to Helmholtz - is to reference my own master's thesis. As Helmholtz points out, for the Octave, and Perfect Fifth, there are no beats. Sir James Jeans "Science and Music" book quotes Helmholtz.

Jeans writes, "on this theory [Helmholtz theory of beats] the octave becomes the most perfect of all concords, since none of the harmonics can possibly beat worse than when one note is sounded alone."

He adds "the unpleasantness [beats] remains until the octave of frequency...is reached, at which point [the beats] suddenly disappears."(33)

This is called the "paradox of the poles" such that one note reaches an inversion of beats as noncommutative time-frequency phase, so that the octave has no beats. Helmholtz, as Peter Pesic notes, was considering time as an independent operator, in terms of relativity and sound perception. Light, similarly, has a negative frequency but positive momentum - or reverse time (negative refractive singularity), positive momentum energy as de Broglie discovered.

To quote Chinese Language and Philosophy Professor Emeritus Patrick Edwin Moran:

Humans cannot see photons. Photons only "show up" when they hit an atom, cause an electron to jump to a higher orbit, and cease to exist in the process. But in between these two points the photon is completely out of touch with the Universe. In Daoist terms, humans can make relatively successful "names" pertinent to whatever gets going in the laser, and they can make relatively successful "names" pertinent to the trace of the dying photon on the detection screen. But in between there is only the hidden, the "inside," the "embryonic," the "dark," and the "mysterious."

Quantum physicist Jean Charon understood this noncommutative time-frequency secret. Frequency is to Time as Momentum is to Wavelength because it is noncommutative.

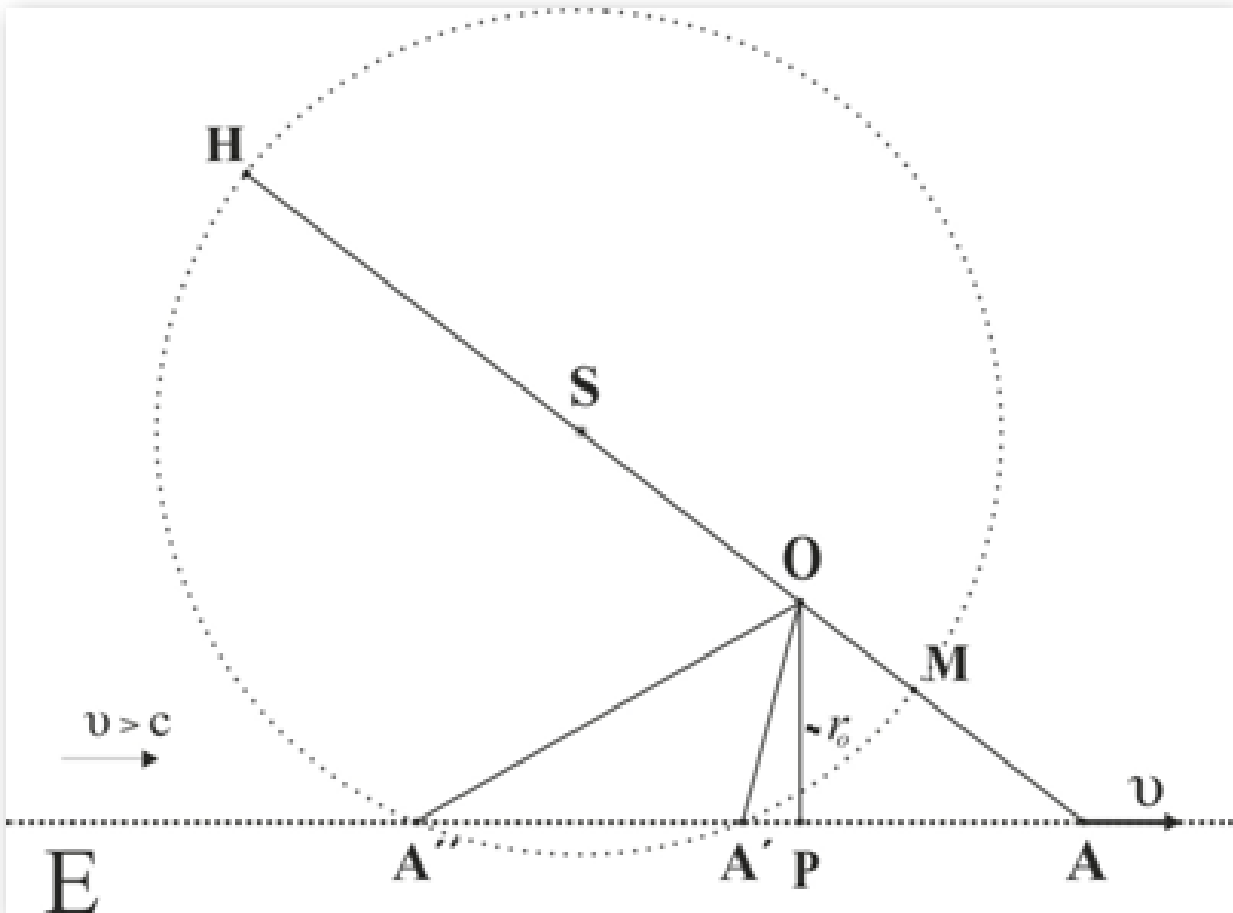
So as the particle moves the internal frequency goes down while internal time (relativity) goes up (slows down) and then the particle's guiding wave momentum goes up (frequency goes up past the speed of light) while the wavelength goes down.

It is the Pythagorean natural tuning that is the spin 1/2 secret - not the Planck Constant "equal-tempered" tuning of light. And so Professor Steven M. Taylor (who was illegally assaulted by the cops and fired from his college - just because the administrators are fascists!) derives that the kinetic mass-energy exists *prior to* or from the future of the change in relative frequency of the light!

relativistic effects of motion affect both the wave and mass-energy aspects of light without paradox. [pdf](#)

Berendt refers to physicist Jean E. Charon, "Each particle...has its own spin, and all these spins vibrate together in the whole-number proportions of the overtone scale. This then is the prime model of mind and spirit." *The World Is Sound*, p. 125, citing Jean E. Charon: *L'Esprit, cet inconnu* (Paris: A. Michael, 1977).

"Both the electron and the black hole [i.e. extremely dense matter with zero beats] are characterized by totally curved space and by curved time. This means that the time of electrons and of black holes is opposite to our 'material' time, which moves on a straight line from past to present to future. This, in turn, may imply that if entropy grows in the 'material' world, then in the world of electrons (and black holes) precisely the opposite force might grow, the force of negentropy." Jean Charon, Ph.D.



[Kinematic momentum is from projective geometry harmonics of the 5th dimension that can not be visualized.](#)

Here we have forfeited symmetry. We have however discovered something else: **Harmony**....I don't believe that Nature is governed by symmetry but rather by Harmony and Harmony is certainly not synonymous with symmetry....In Projective Space you can go from A to B, not in one, but in **two** ways....the reverse one...via the plane at infinity. Light would precisely follow this reverse path, if we were to move at speeds greater than its own, so that it would always stay "ahead" of us....meaning we "will capture" light coming from spaces we have not yet reached....

http://www.dgraftopoulos.eu/My_Work.html

Dionysios G Raftopoulos

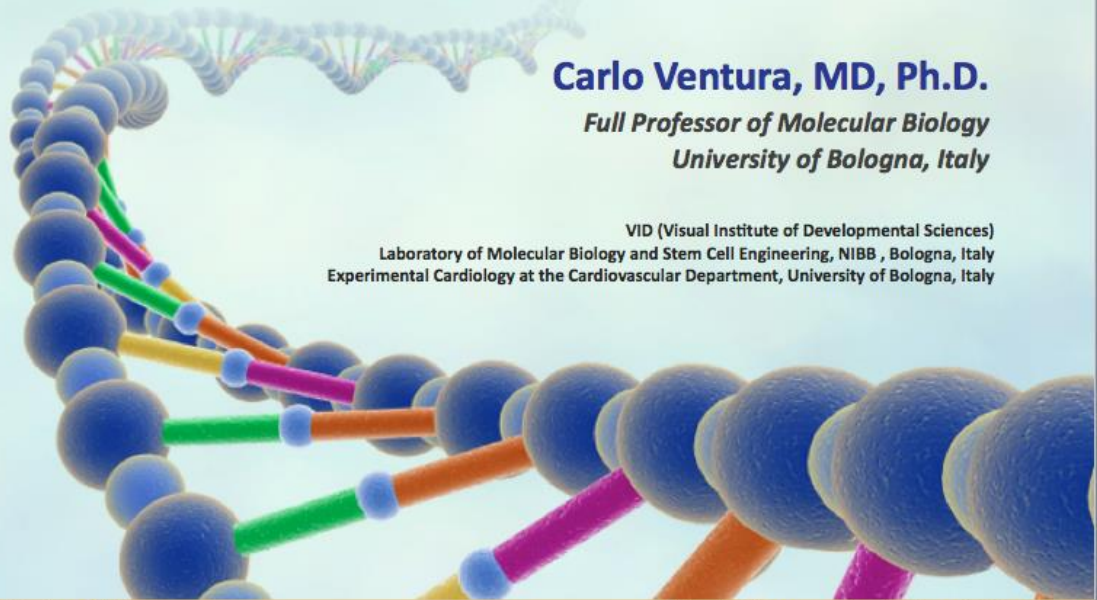
Thus, in this section of the material's point path, **Gravity is repulsive**....The fact that speed is a quantum concept, lends in turn a "quantum undertone" to the gravity concept of force...to which it appears inversely proportional....Hence there exists a fundamental texture difference between the closed surface of the sphere and that of the Projective Plane....the Projective Plane is a non-orientable surface....a very good visual representation of a unilateral [non-orientable] surface is provided by the well-known "Moebius Strip."

DNA and Cell Reprogramming via Epigenetic Information Delivered by Magnetic Fields, Sound Vibrations, and Coherent Water

Carlo Ventura, MD, Ph.D.

*Full Professor of Molecular Biology
 University of Bologna, Italy*

VID (Visual Institute of Developmental Sciences)
 Laboratory of Molecular Biology and Stem Cell Engineering, NIBB, Bologna, Italy
 Experimental Cardiology at the Cardiovascular Department, University of Bologna, Italy



"Also, it is interesting to note that parallels have been drawn between traditional Chinese medicine (TCM) and sonocytology, with the suggestion that nanotechnology may shed light upon the acupuncture meridian system and contribute to the modernization of TCM techniques, including those that traditionally use musical tones for preventive treatment of disease.²⁰⁴ Cumulatively, the results found using AFM techniques support the hypothesis that cell decisions are not restricted to biochemical effectors, but can be orchestrated through nanomechanical regulators, and exposure to specific acoustic-range vibrational modes or "music" may represent a worthy field of investigation for "informative reprogramming" of cellular behavior. If such nanomechanical bioinformation can be identified, then nanomechanical/EMF patterns orchestrating stem cell commitment and differentiation might be retained and stored as an informative "nanomechanical signature" of the "sounds" or "music" emitted and functionally received by cells and organs. Such sounds might communicate the informational memory of the biofield and be used to enhance regulation of a variety of processes including differentiation, stem cell reprogramming, and the maintenance and manipulation of homeostasis."

[Bioinformation: Harmonics and healing](#)

"For example, We have shown that human adult stem cells and human somatic (non-stem) cells can be reprogrammed back to an embryonic-like state with electromagnetic fields and sound vibrations." <http://vidartscience.org/vibrational-and-regenerative-medicine/>

The melodies entailed within the sound of a heartbeat, or the vibrations within the Actor's words will talk to human stem cells on the stage, to reprogram them to an Ancient ancestral state, like the

embryonic one when they were capable of doing everything, disclosing a portal to the Future of Art and human wellbeing." [Our cells generate a seeming infinity of vibrations and sounds that tell of their healthy or diseased state.](#)

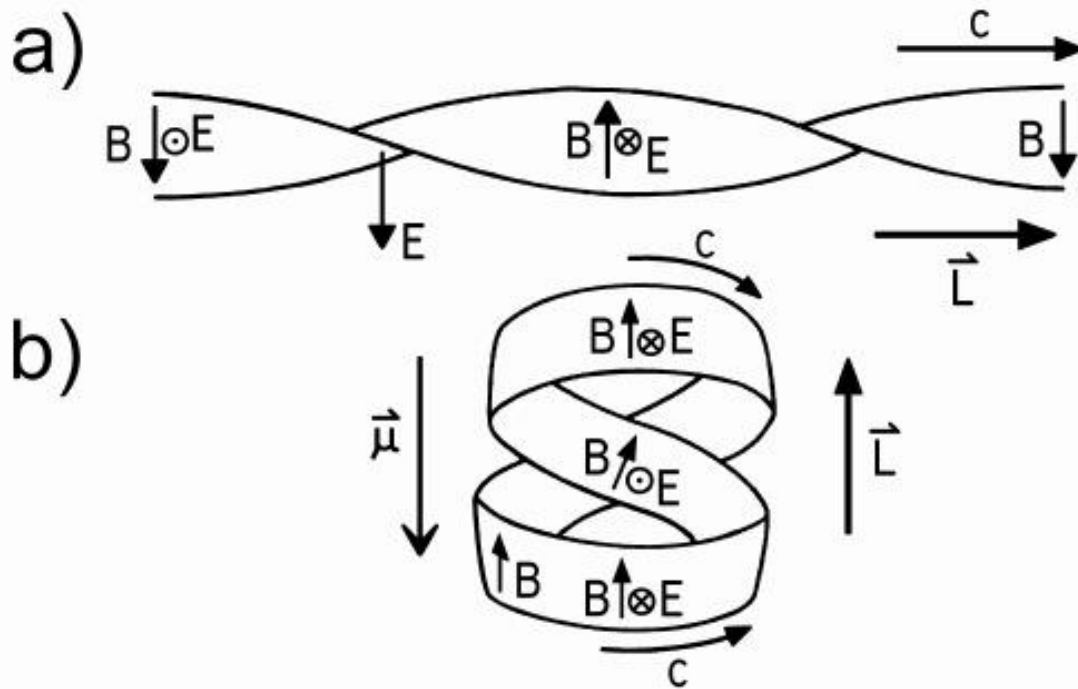


Figure 1: a) Twisted strip model for one wavelength of a photon with circular polarisation in flat space. The \vec{B} -field is in the plane of the strip and the \vec{E} -field is perpendicular to it. b) A similar photon in a closed path in curved space with periodic boundary conditions of length λ_C . The \vec{E} -field vector is radial and directed inwards, and the \vec{B} -field is vertical. The magnetic moment $\vec{\mu}$, angular momentum \vec{L} , and direction of propagation with velocity c are also indicated.

And so there is still one last mystery we need to solve. I cited how the phonon transduction as quantum entanglement is one dimension - and so this is the secret of how the "collapse" can be withheld, so that spin 1/2 phase coherence resonates to room-temperature macroquantum coherence negentropic force (the alchemical secret of N/om, kundalini, qi or prana).

www.dejanrakovicfund.org/

of Fig. 1, with potentially unlimited number of *phonons* in every single- *phonon* state. This energy hypersurface of multi-*phonon* quantum state might also include low-energy long-range coherent microwave Frohlich excitations (created as a result of interaction of electronic and phonon isomeric

subsystems – of particular significance in microwave resonance therapy (MRT) of a *dynamic* modification of the EM multi-*phonon* (and related many-electron) *acupuncture* ..

According to their results, the autolocalization of a quasiparticle (electron, exciton, vibron) in the presence of a weak interaction with phonons represents theoretical

framework to describe solitons. If the energy of quasiparticle is fairly higher than the characteristic energy of the phonon subsystem (condition of adiabaticity), then under weak coupling with phonons the appearance of solitons in Q1D systems is possible.

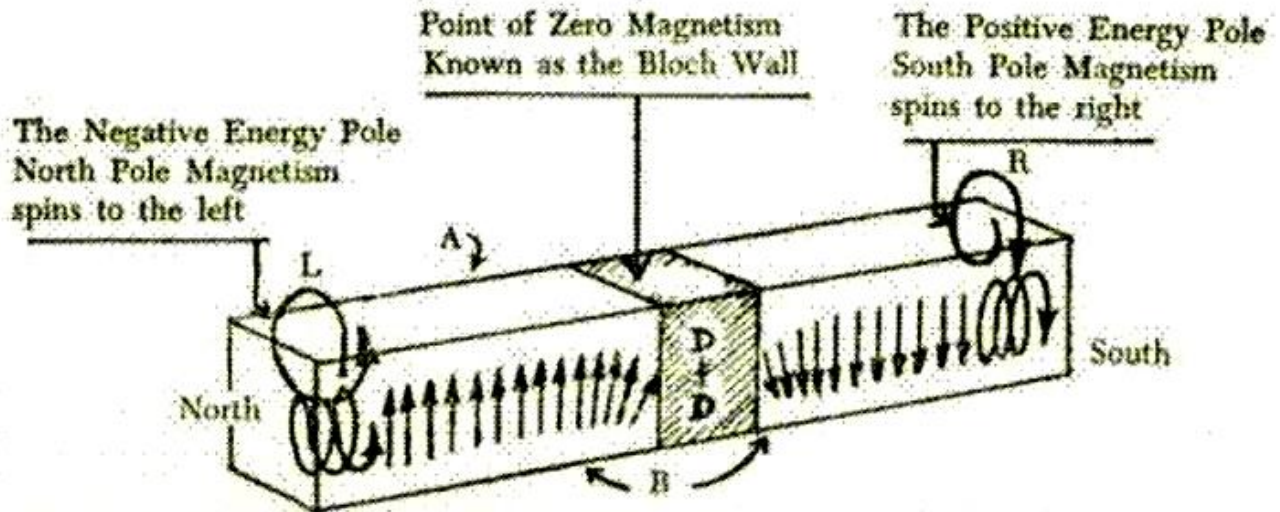
A Kink-Soliton Model of Charge Transport through Microtubular Cytoskeleton (PDF Download Available).

But the secret is we can not visualize these phonons, only logically infer them, because listening is nonlinear and faster than time-frequency uncertainty. And so this is then paradoxically described by Nobel physicist Gerard 't Hooft as the 5D black hole collapsing into two dimensions as the quantum entanglement source of reality (whereby noncommutative quantum phase and noncommutative spacetime converge as twice the speed of the de Broglie Zitterbewegung of Compton scattering).

...the energy-momentum flux will be larger in the blue shifted part than in the red shifted part....In a moving frame, they diverge: the mean internal frequency of the photon will increase; simultaneously the orbital frequency of the photon will decrease due to the relativistic law of the slowing down of clocks. Despite the difference in frequency, at any point in space-time these two oscillations must be in phase....This provides a possible physical origin for the postulated law of the "harmony of the phases" first proposed by de Broglie, which lies at the origin of quantum mechanics. ...In a head-on collision between two photons, the interaction will be essentially between the blue-shifted regions which are converging....This state may then decay back into two photons or into an electron-positron pair.

Is the electron a photon with toroidal topology? J.G. Williamson and M.B. van der Mark, 1997

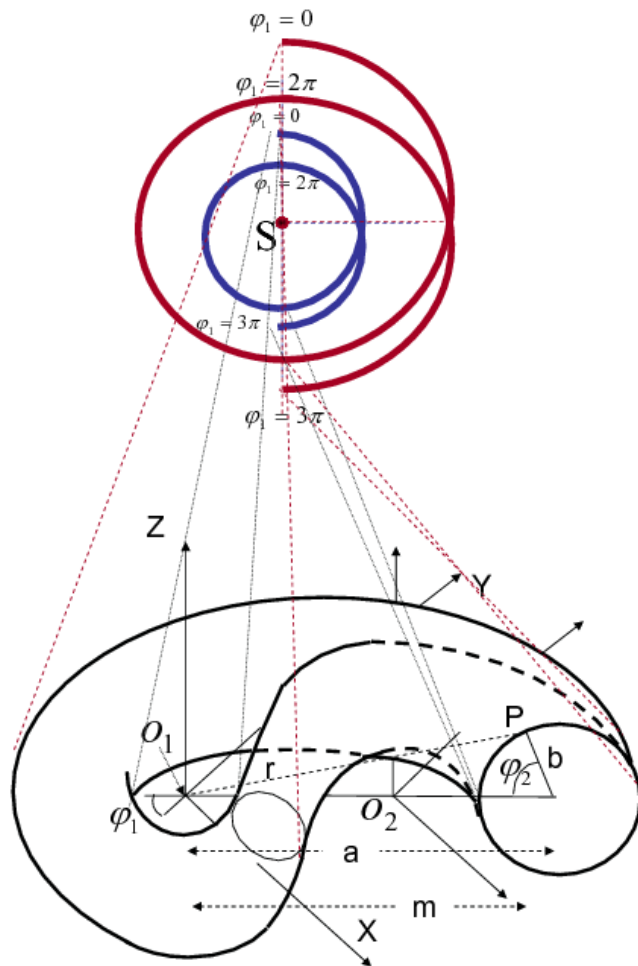
The drawing shows a bar magnet having the conventional two poles. In the direct center of the magnet is the Bloch Wall, or the point of division of the circling vortex (spin) of electronic magnetic energies. The small arrows shown on the bar magnet indicate the direction of the spin of each pole's energies. The center of the magnet shows the phase change of the spins.



The north pole or negative spin is counterclockwise, or to the left. The south pole or positive spin is clockwise, or to the right. With the use of a straight bar or cylinder magnet we may then have access to the two separate forms of energy for our application of just that energy form and/or type. The illustration and discussion on this page is an outline of our initial 1936 discovery.

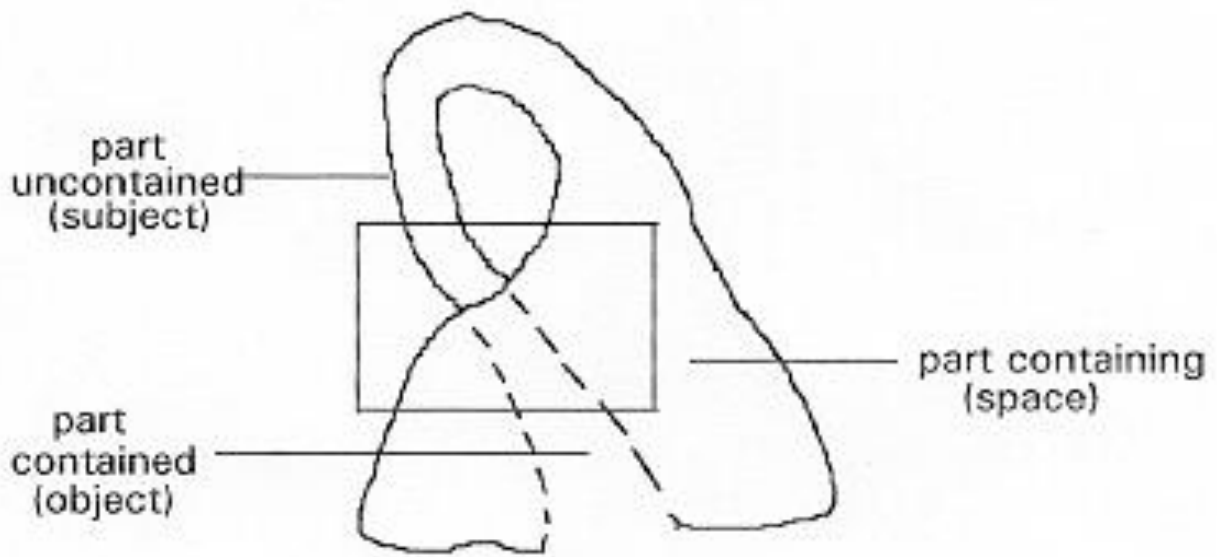
So in my master's thesis I was building on my 1996 manifesto, the first version of this research, wherein I cited John Keely's work based on the Bloch Wall - noncommutative phase secret of electromagnetic charge. Only in quantum physics this is the Bloch Sphere such that there is an "infinite plane" of noncommutative phase in the "imaginary" dimension as quantum nonlocality. As one scientist admitted to me, no one can know the original quantum phase of the Universe.

And so it is the point of twisting that is the one dimension that can not be seen - as noncommutative phase - or what qigong master Jim Nance along with the Ch'an Masters call the "point of origination."



To see a single point of light is to embody the 5th dimension Ether-black hole/white hole as a Klein Bottle - that blue shifts the light - sitting in full lotus is the Klein Bottle as alchemical pyramid power.

In 4D spacetime this is the 5th dimension as the Klein Bottle, as Daoist quantum psychologist Dr. Steven M. Rosen emphasizes:



When the light as spiritual ego is "turned around" to zero time then reverse time relativistic mass-energy or superluminal momentum is entrained - "ether entrainment."

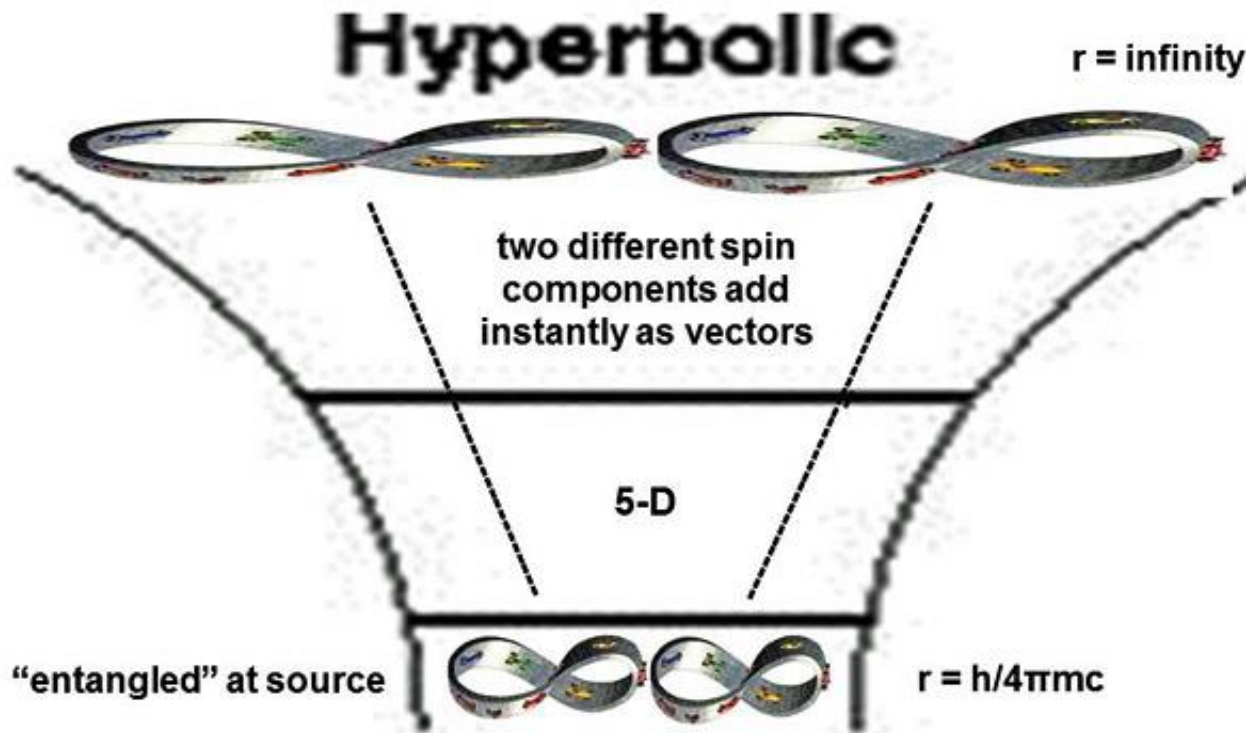
This is also the secret of the Lower Tan T'ien or small intestines as the 2nd brain storage of the captured or gathered virtual photon energy.



The real "pyramid power" is like the full lotus yoga position, the highest secret of French Freemasonry, as professor Hugh B. Urban revealed. Professor Hugh B. Urban, "Elitism and esotericism: Strategies of secrecy and power in South Indian Tantra and French Freemasonry," *Numen-International Review for the History of Religions* 44 (1): 1-38, 1997). The All Seeing Eye of the Pythagorean Tetrads can't be visualized since "one" is not a number – that is the secret of the Nine of the Stargate Conspiracy, the

ancient Ennead that controls the world.

We see similar phenomena when two different atoms in a crystal diffract x-rays, or when an electron passes through two slits. Here such “vectors” lie **far apart in 3-D space**. How can those diffraction or spin vectors add almost instantly, if no light passes between them? Could they be connected in hyperbolic 5-D space?



Listening is faster than Fourier Uncertainty so resonates with noncommutative phase as 5D origin of reality, quantum entanglement of spin 1/2

[See part One for further details: The Subtle Unmanifest Form of Blues Music is the Ether as the three gunas Harmonized into Blue Light](#)

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The Blue Light of Blues Music: Quantum Biology, Meditation and Metaphysics

[The Blue Light of Blues Music: Quantum Biology, Meditation and Metaphysics](#)

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Esther Watson Tipple writes to Einstein on Pythagorean harmonics and Cosmic Nature

[Dear Dr. Einstein](#)

December 11, 1947

This discovery is that the seven-tone scale is a mathematical entity embodying the two principles of arithmetic progression of harmonics and of geometric progression of the 2:3 series (Pythagorean progression of fifths), also we find a third, synthesizing, principle: a combination tone phenomenon which locates the keynote of the seven-tone tonality from those tones in the diatonic scale which are not overtones of the tonic or keynote. The production of the keynote by this phenomenon of second-order combination tones [the 4th and the 6th] locates, as well, the key-note of Mr. Austin's nine-tone scale....

The importance of this harmonic-union production of the keynote of the seven-tone scale seems to me as important as the relation of the negative to the positive, of intake to outtake, of inspiration to expression, of Yin to Yang in Chinese symbology, or even of prayer to action. The discovery of this relation of the undertone to the overtones has, I believe, definite bearing on the question of the cosmic nature of the diatonic scale.



The Strong Misanthropic Principle

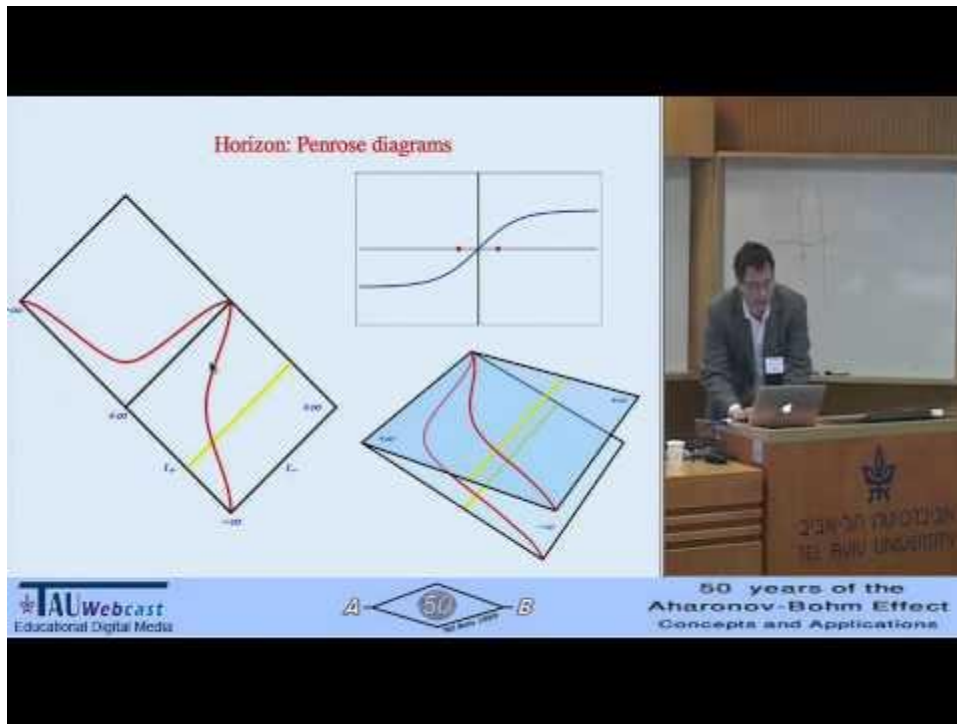
As proved by Hawking, had the Universe's entropy increased been reversed, this reversal would be impossible to observe. This is because time orientation of all biological processes (as we show elsewhere in detail) relies solely on entropy's increase.

Avshalom C. Elitzur, Shahr Dolev

Black-Hole Uncertainty Entails An Intrinsic Time Arrow, Dec. 2000



Ulf Leonhardt on Aharonov-Bohm Effect and Hawking Radiation



ingoing and outgoing waves: Positive momentum negative frequencies so has to be in one form as noncommutative phase of anti-particles entangled with particles



Zero Sound: Can you scream in space?

However if certain conditions are fulfilled, such as an effective interaction between quasiparticles which is both short-ranged and repulsive, then there is a massless bosonic excitation in the spectrum as $T \rightarrow 0$. Carrying zero baryon charge, it is a *phonon*, ie. a quantum of collective excitation called *zero sound*. Sound propagation occurs in any elastic medium; zero sound happens when the elasticity originates not from collisions between individual particles, but from the force on a single particle due to its coherent interaction with all others present in the medium....phonons are characteristic of zero sound and should be considered excitations of the degenerate ground state

This well-known phenomenon is variously known as Landau damping, Cerenkov radiation, or most appropriately in the current context, as a sonic boom.

[Zero Lattice Sound pdf](#)

When particles go faster than the speed of light, those around them see a special glow. This is called Cherenkov Radiation. And it's a lot prettier than a sonic boom....As it travels through different media it is refracted and interacts with the various atoms it comes into contact with. The photon is still going at light speed, but it's trip through the medium is at slightly lower than light speed.

[Superluminal Zero Sound](#)

in the classical physics of very dense matter, Lorentz invariance imposes no restriction on the speed of sound or on the ratio of pressure to energy density. Indeed, the simplest and most reasonable classical many-particle theory can manifest such apparently noncausal behavior whenever the calculated self-

energy of a particle exceeds its observed (renormalized) rest energy. This comes about because ordinary mass renormalization subtracts out part of a particle's self-interaction energy without altering the interaction with other particles that contributes to pressure. Two types of models are exhibited which, at low densities, show normal behavior and, at high densities, become superluminal (speed of sound greater than speed of light in vacuum) and ultrabaric (pressure greater than energy density).



Superluminal Signals with Zero Tunnel Time in Barriers!

Thus the superluminal (FTL) transmission velocity increases with barrier length. This strange behavior is called the Hartman effect, which was confirmed in several experiments....Evanescent optical modes with their imaginary momentum are strange particles....Evanescent and tunneling modes are virtual particles. They are observed in electromagnetic, elastic fields, and they appear also at macroscopic extensions....The tunneling process seems to represent an exception of special theory of relativity.

Gunter Nimtz, et. al., 2015, Zero time tunneling: macroscopic experiments with virtual particles.

...direct sound from a source interferes with a strong reflection from a hard surface....Thus, the superluminal acoustic effect we have described is likely a ubiquitous but imperceptible phenomenon in the everyday world.

2007, "Sound beyond the Speed of Light," WM Robertson, et. al.

When one experimenter, Raymond Chiao, said that it didn't matter if it was superluminal because you could never send a signal this way, only random photons, he was wrong. To demonstrate this graphically, another physicist, Günter Nimtz sent a recording of Mozart's 40th symphony over four times light speed. And for your entertainment you can listen to that superluminal Mozart here. There's a lot of hiss, but it's hard to deny there's a signal. [Superluminal Sound](#)

...superconductivity within one neuron could become phase coherent with that in an adjoining cell by virtue of quantum tunnelling, and this could be stimulated by the macroscopic analog of stimulated emission (alluded to before in connection with the mantra), that is an AC Josephson effect. ...At a more interesting level, the quantum vacuum state may be said to be empty (of excitation) and yet full in the sense of pure potentiality; it contains "virtual" (unphysical) representatives of all possible modes of matter and excitation in the form of vacuum fluctuations or "virtual particles" (zero-point excitations of each field mode, assigned one-half quanta of energy, due directly to the non-commutative property of the field operators).

[Former Hampshire College physicist Lawrence Domash, confirms superluminal quantum sound as noncommutative meditation! 1975, pdf](#)



Jung had his Lower Tan T'ien activated!

A different sign of conflict came when Jung asked Freud what he made of parapsychology. Sigmund was a complete sceptic: occult phenomena were to him a "black tide of mud". But as they were sitting talking, Jung's diaphragm began to feel hot. Suddenly, a bookcase in the room cracked loudly and they both jumped up. "There, that is an example of a so-called catalytic exteriorisation phenomenon," Jung retorted – referring to his theory that the uncanny could be projections of internal strife. "Bosh!" Freud retorted, before Jung predicted that there would be another crack, which there was.

[Jung - Trouble with Freud and the Nazis](#)



Ecological Crisis is from the wrong structural math!

It's cuz we used the wrong music theory! Logarithms are from the first logarithm - "arithmetic mean x harmonic mean = geometric mean squared" = Perfect Fifth plus Perfect Fourth = Octave. This is the wrong math from the wrong music theory! The Perfect Fifth is G=3 while C=1 but that is just the overtone harmonic while the Perfect Fifth is also F=3 while C=1 as subharmonic undertone. Natural logarithm: "Thus the total area inside the hyperbola and its asymptotes is infinite, consistent with divergence of the harmonic series."

[Arithmetic, Population and Energy - Albert Bartlett lecture - he gave the same talk over 1000 times!](#)

All males of the original human culture were required to train in "staying power" through trance dance - at puberty the males fast for a month while trance dancing all day - and this activates the N/om kundalini to open up the pineal gland. Modern humans are brain washed as ejaculation addiction. It drives the economy as "commodity fetish." Western math is wrong due to not understanding complementary opposites of harmonics. The first logarithm was Perfect Fifth plus Perfect fourth = Octave from "arithmetic mean x harmonic mean = geometric mean squared." it was the wrong math since Perfect Fifth is noncommutative phase as overtone and undertone at the same time!!

First question to ask is when was the bottle half full? The answer is one minute to 12 cuz they [bacterium] double every minute. If you were a bacterium in that bottle at what time would you first realize that you were running out of space? -

[Physics Professor Albert Bartlett - the 99% are the bacterium.](#) haha.



Noncommutative phase origin of reality

According to Rowlands' the nilpotent duality or a zero totality universe model requires an anti-commutative system that has this property of closure, whereas a commutative system remains open and degenerate to infinity [4]....

Since the quaternion set is isomorphic to the Pauli matrices we believe the Quaternion and Octonion sets are not merely a form of pure mathematics but indicative that the physical geometry of the universe is a fundamental generator of these algebras....

For our purposes we wish to apply this to an extended version of Cramer's Transactional Interpretation (TI) of quantum theory where according

to Cramer the present instant of a quantum state is like

a standing-wave of the future-past [5]....Nilpotent quantum mechanics is a form of relativistic quantum mechanics/quantum field theory which can be derived from the rewrite system and which minimalizes the whole quantum apparatus to a single operator acting on a universal environment, which is its mirror image.

Exploring Novel Cyclic Extensions of Hamilton's Dual-Quaternion Algebra (PDF Download Available).

Available from:

https://www.researchgate.net/publication/321341144_Exploring_Novel_Cyclic_Extensions_of_Hamilton%27s_Dual-Quaternion_Algebra

Quantum holography has now been officially recognized as occurring in the case of “quantum holographic encoding in a two-dimensional electron gas” [4], but the work of Walter Schempp has already shown that it has extensive practical application in Magnetic Resonance Imaging based on harmonic analysis on the 3D Heisenberg Lie group [5]....The underlying Clifford algebra suggests that analogous mathematical models are also possible, one of which is the Klein bottle structure proposed by one of us in earlier work [3].

<https://www.frontiersin.org/articles/10.3389/fphy.2017.00028/full>

Date: Sat, 3 Oct 1998 08:48:44 -0400

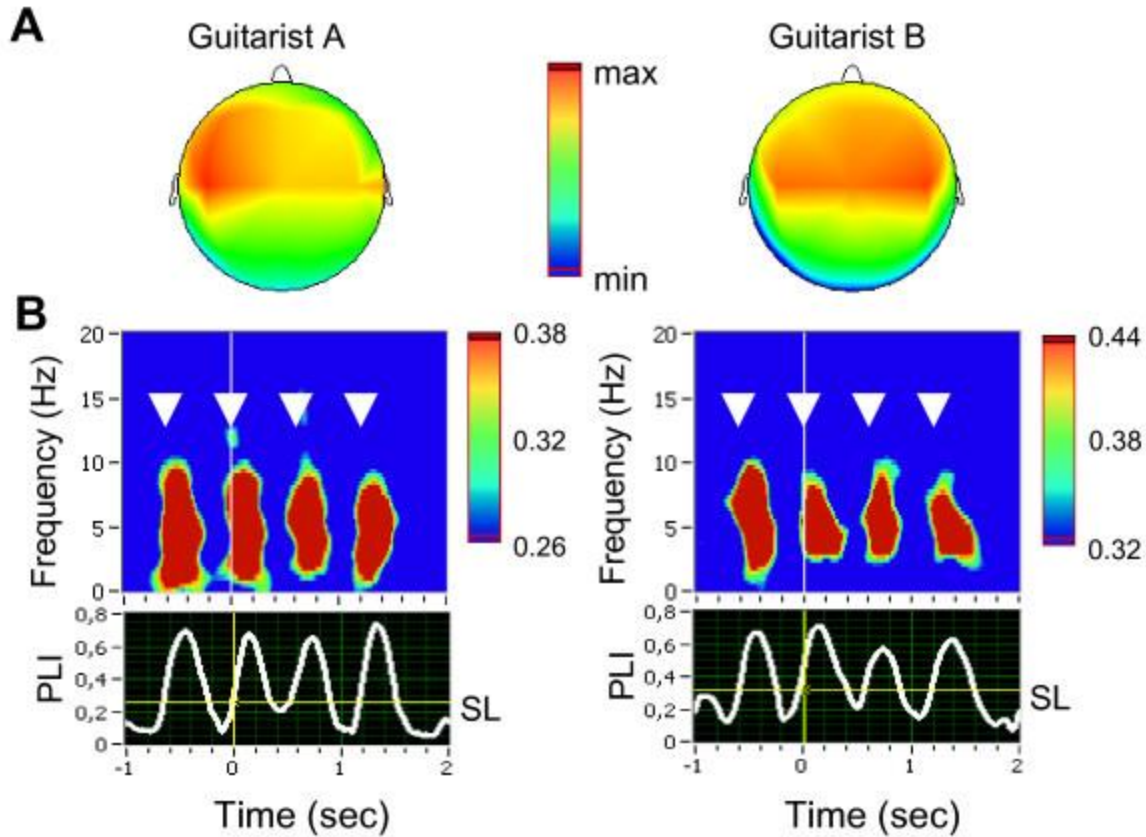
From: Michael Lestz

I seem to remember that the yun-yang symbol appears on bronzes of the Shang dynasty—perhaps earlier as an artistic motif on pottery. At any rate, it considerably antedates the Tang or Song eras.

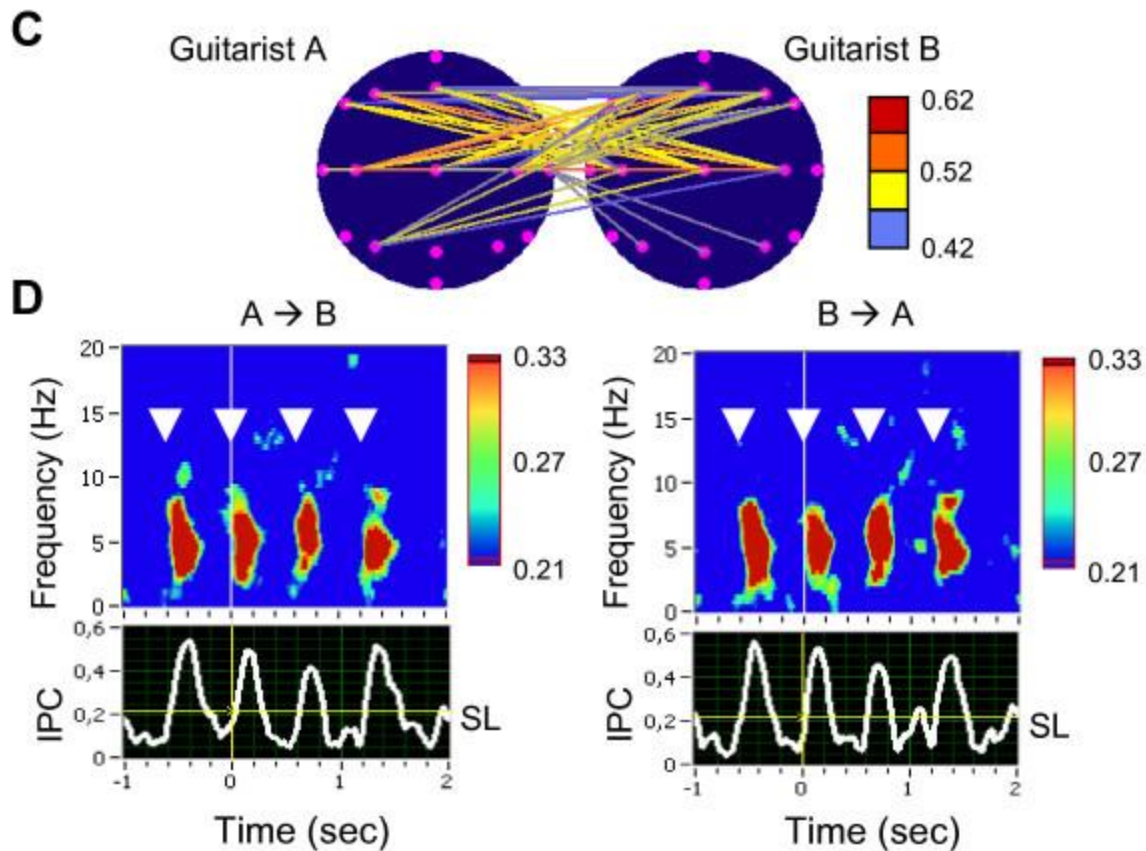
[Origins of yin-yang](#)



Synchronization within the brains

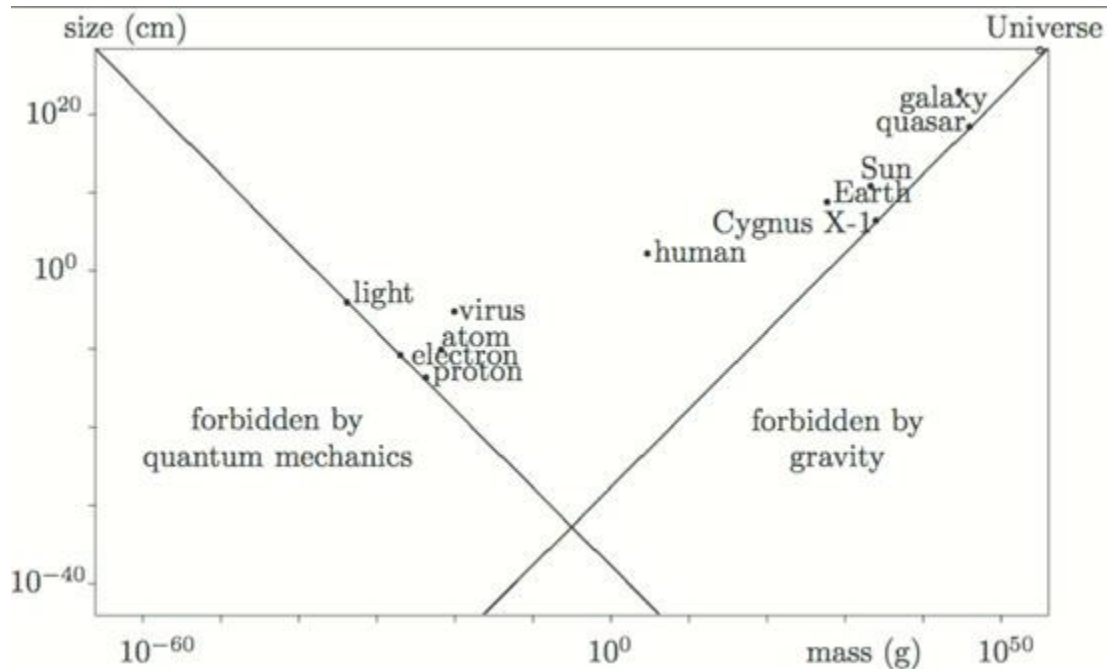


Synchronization between the brains





Noncommutative Phase as the 5th Dimension Ether protoconsciousness



Shahn Majid, Noncommutative phase solves de Broglie quantum wavelength inverse to mass vs symmetric math mass increase with wavelength



Eric Dollard on Pythagorean music as noncommutative phase (Versors from Hamilton Quaternions).

Another versor system of antiquity is that developed by Pythagoras of Ancient Greece (570 – 495 B.C.) This system is called “Music”. It is based upon the HARMONIC SUBDIVISIONS of an oscillating string, two to one, two to three, four to five, and etc. Each subdivision represents a versor position. This developed into a base seven versor,

$$(3) \sqrt[7]{1} = 1^{\frac{1}{7}}$$

$$k_7^n, n = a, b, c, d, e, f, g$$

It is however than n is a fractional and sometimes complex quantity. Therefore music represents a most complex versor system.

[In the Beginning - there were Versors - Eric Dollard](#)



Quantum Spin that is Entangled is inherently unknowable

We all originated from quantum fluctuations.... Mukhanov and Chibisov also realized that Heisenberg’s uncertainty principle prohibits absolute homogeneity.

“There would always remain small wiggles, or small inhomogeneities, in the distribution of the matter,” Mukhanov explains. “But normally these kinds of inhomogeneities are extremely small.” What would

have happened, Mukhanov and Chibisov wondered, to the inhomogeneities that were present during the exponential expansion? In 1981, Mukhanov and Chibisov concluded that the exponentially rapid expansion would stretch tiny quantum fluctuations to an enormously large size. After that, these fluctuations would grow in amplitude and become the seeds for the galaxy formation....At that time, hydrogen atoms and photons (packets of light) decoupled, leaving a kind of "flashbulb" image that pervades the universe to this day. Since then, numerous observations of the CMB have found an exquisite match with Mukhanov and Chibisov's theoretical predictions, most recently in the release of data from the European Space Agency's Planck observatory.

Viatcheslav Mukhanov - [The Quantum Universe](#)

Inflation is eternal to the Universe. A high energy "false vacuum" drives inflation. Bubbles end inflation in parts of the Universe (we live in a bubble) but the space between them expands even faster (preventing the bubbles from touching). There may be some contractions but on whole the Universe is expanding on average yet had a beginning in the past. A universe can form out of nothing, a high energy vacuum. The universe starts at a zero radius and zero energy/matter. The highest energy vacuum has the smallest radius based on quantum physics. There can be no external boundary conditions so Schroedinger wave function can not apply. The Universe then quantum tunnels out of nothing, a hyperspace point of zero. Since quarks do not go backwards in time, then it is a semiclassical model. Gerard t'Hooft asks if there is possibly an "observer effect" for the Universe - so the Universe is eternal from one perspective but not eternal from another perspective (i.e. collapsing the wave function as the boundary condition of a hypersphere).

Alexander Vilenkin - Quantum Cosmology and the Beginning of the Universe



The Natural Resonance Revolution!

Within the Matter-Being Paradigm, f is the resonance frequency that produces the collapse of quantum. Remember, this is the resonance between inaudible (in Base-9) and the audible (in Base-10) sound. And E is the information-mass resonance energy.

Wing Y. Pon, TCM biophysicist electrical engineer

Entanglement is the essential ingredient that knits space-time together into a smooth whole — not just in exotic cases with black holes, but always.... If any two particles are connected by entanglement, the physicists suggested, then they are effectively joined by a wormhole. And vice versa: the connection that physicists call a wormhole is equivalent to entanglement. They are different ways of describing the same underlying reality. [The quantum source of spacetime](#). 2015

Rudolf Steiner on secret of harmonic healing

"Tone, however, is a direct expression of the will itself, without interpolation of the mental image. When man is artistically engaged with tone, he puts his ear to the very heart of nature itself;"

["Sound is the bridge between God and the soul" SHRI DHYANYOGI](#)

Spin is likely the primordial self-referential process driving quantum mechanics, spacetime dynamics and [immanent] consciousness,

Huping Hu, Ph.D., J.D.

"Auditory and Visual Objects," by Michael Kubovy, *Cognition* 80 (2001), 97-126, in book, *Human Perception*, edited by Bertamini and Kubovy

"In audition, frequency is an indispensable attribute for perceptual numerosity; space is not.... Auditory objects are NOT formed in space."

Philosopher Henri Bergson, *Matter and Memory*, 1896, p. 31, [thanks to Dr. Stephen E. Robbins](#)

Zen, the Brain, and Bergson

But is it not obvious that the photograph, if photograph there be, *is already taken, already developed in the very heart of things and at all points in space.*

Stanford Quantum physicist Eddie Oshins:

This representation only works for the (more fundamental) 1/2-integral representations (i.e. spinors/turns/quaternions) but also lets one build the vector and tensor representations. The converse does not hold....this property of "noncommutivity" in itself might be valuable in some way.

My claim, and original idea, has been that this is circumnavigating a T'ai Chi (Yin/Yang) symbol! More recently (Oshins, 1993b) I have suggested that this proximate technique can be used to realize Wing Chun kung-fu's "bong sau/tan sau" movement out of the Kauffman/Oshins "quaternionic arm" discussed and referenced below in end note 5.

I believe that this may be a way to get mind to code the relative relationship of part of oneself with respect to the rest of oneself (self-referential motion) and can explain the concepts of being "centered"/"one"/"integrated"/"extended"/"whole" etc. which one strives for in meditation.

Oshins, E. (1993). Oshins, E. (1993). A test for classical psychospinors.

<http://www.quantumphysics.com/pdf/Test-ClassicalPsychospinors.pdf> In Abdullah, F. (Ed.) *Conservation and Invariance*. Cambridge, UK: Alternative Natural Philosophy Association, London England.

a path that involves neither quantum mechanics nor relativity but a far more fundamental result in physics called Noether's Theorem after German mathematician Emmy Noether (1882 - 1935) who first derived it.

However, our conscious experience does assign a special time and a special place to the world. We experience the world in the HERE and NOW. Conscious experience seems to break the universal time/space symmetry of physics and hence (via Noether's Theorem) opens the way for Mind to violate the laws of conservation of Energy and Momentum. [Noncommutative Noether's Theorem]

But perhaps human minds in their normal state exercise only a insignificant influence on Nature's basic time/space symmetries but in Mesmeric trances, sexual transports or religious ecstasies, the powerfully experienced here/nowness of consciousness might induce extraordinary acts that violate the cherished laws of physics over and over and over again.

Thus Emmy Noether can explain St. Joseph of Cupertino.

Quantum Physicist Nick Herbert

These novel properties in microscopic world imply that the noncommutative Heisenberg's algebra could be extended to the noncommutative spacetime or phase space to avoid the singularity in particle physics, gravity and early universe in the Planck scale world.

Shi-Dong Liang, 2017 Guangdong Province, China, Sun Yat-Sen University, Physics department

On a fundamental level (below the Planck threshold) it is meaningless even to ask about singularities. The noncommutative geometry shaping this level is totally nonlocal:

Michael Heller (Vatican Observatory) and Wieslaw Sasin (Warsaw University of Poland)

This is because the energy of the electron varies directly with the electron voltage and the momentum varies with the square root of the voltage and the wavelength varies inversely with the square root of the voltage.

Lester Germer, confirming de Broglie's matter waves, but the phase waves as superluminal momentum are still elusive:

Manfred Euler's 2013 description of *acoustic STM - Scanning Tunnelling Microscopy* builds on his previous connections between the quantum acoustic realms.

"Universal coherence" - a "mind boggling outlook."

Phase harmony in de Broglie theory relates a local periodic phenomenon (the 'particle clock') to a periodic propagating field in such a way that relativistic invariance is satisfied. If a similar phenomenon in the cell is relevant it should couple the global oscillation pattern locally with periodic (mechanic, electric, biochemical ???) processes.

Coherence as consciousness.

"Ghost Tones"

[Manfred Euler is a Professor Emeritus of Physics at the University of Kiel.](#)

[Sitting in a quiet room, we can hear sounds that cause our eardrums to vibrate](#) by less than the diameter of an atom. ...

Quantum Effects in the Dynamics of Biological Systems, 1983, Lawrence Berkeley National Laboratory, William Bialek (currently Princeton Professor)

Godel solved the time-travel paradox and Hameroff and Penrose realize this as well. Rudy rucker interviews Godel - because he says you can time travel but you just can not have any desires to change anything! I have corresponded with Brian Josephson and he emphasizes that biology is more fundamental than physics. Have you read "*Life on the Edge*" on quantum biology - JohnJoe McFadden - argues that quantum coherence is the spark at the foundation of reality - not randomness that is unknowable. So quantum biology has proven we have biophotons inside us - that are coherent. So we can "turn the light around" by internal logical inference. It's proven if we visualize light with our eyes closed this increases biophotons. We then access the hidden momentum energy or relativistic mass of light - that is negentropic or reverse time energy, the novel quantum force that Basil J. Hiley says is causative of the Universe.

It's actually a Klein Bottle so you can't see the 5th dimension.

The red is a logarithmic singularity - but that is just classical physics.

So the foundation of reality is quantum - which is noncommutative phase as the 5th dimension.

So light as a photon is a point but as a wave it is nonlocal - but this means it is in 2 places at the same time - as the 5th dimension that is noncommutative.

People think that doesn't make sense - how can it be in two places at the same time? Actually basic music theory explains this.

So for example the Perfect Fifth is C to F as subharmonic $2/3$ while the Perfect Fifth is C to G overtone harmonic as $3/2$.

So $C = 2$ while $F=3=G$ at the same time. That is noncommutative phase. It is also called "Fourier Uncertainty" or "time-frequency uncertainty" - and that is the true foundation of reality.

So for example de Broglie - studying relativity - realized Einstein had a problem - as energy goes to the speed of light then time as wavelength slows down, gets bigger. That means as frequency goes higher then time also gets bigger. That violates a fundamental property since Pythagoras that frequency is inverse to time as wavelength (from music theory).

So de Broglie realized since quantum physics is real there has to be a phase wave that is faster than the speed of light. So you have a mass wave that is the "group phase" - and then you have a particle phase that is called the "internal clock" or a 2nd clock that is the phase wave of the particle - also called the "pilot wave" - and this comes back from the future. Since phase is frequency x wavelength and momentum (velocity) is inverse to wavelength then frequency of the internal clock of the particle varies with the change in mass of the wavelength as per relativity. So there is a Harvard physicist Andrew Strominger who works with Stephen Hawking - and says that the future already exists and reality is a holograph. So the 4D universe is actually a projection of this 5th dimension of noncommutative phase that is time-like.

This is how precognition is real.

It was Olivier Costa de Beauregard who emphasized that precognition was part of de Broglie's pilot wave model and in 1956 de Broglie said to Costa de Beauregard that there was "an incompatibility with our conventional notions of space and time." Nevertheless scientists have continued this parapsychology research based on de Broglie: [pdf AY Temkin 2011](#)

[Peter Kingsley](#) notes, "In terms not only of formal and structural analogies but also of historical contacts, there can be no separating the Thracian Orpheus [of Pythagorean equivalence] from central-Asiatic shamanic tradition." This connection with Taoism is also made explicit by the motif of the Pythagorean master Empedocles who, "dies a miraculous death by vanishing into thin air but who leaves a tell-tale item.... A more classic Taoist concept is that of achieving the divine state either by fashioning a spirit-body...thoughtfully leaving a pile of discarded garments...."

Ancient Philosophy, Mystery and Magic, Oxford Ph.D. thesis, 1995, p. 236.

The interaction of radiation and matter are not invertible. Nature appears to be asymmetric in time.

[Albert Einstein, 1909, Salzburg Conference](#)

It looks like there is a black hole in physics. If you go back to the 1901 Planck paper, the 1905 Einstein paper, they do set certain boundary conditions, kind of excluding this interesting phenomenon of resonance. The energy balances, if you wish, in the resonance condition. [Professor Rustom Roy](#), (31 mns in) who documented qigong bigu with scholarly research and was a top materials science researcher.

All formulae in quantum mechanics can be written without $[h\text{-bar}]$ if energies and masses are consequently expressed in forms of frequencies. For example the uncertainty relation... can be expressed [change in position aka wavelength or time x change in frequency is greater than or equal to $1/2$], which is already well known from classical physics for wave packets.

2011 - *Journal of Physics*, Kurt Jung,

Dr. Stephon Alexander just had this book published which corroborates my qigong music analysis of alchemy.

The Jazz of Physics: The Secret Link Between Music and the Structure of the Universe

When we identify all of the C notes in the five-sided star [Coltrane's secret music model], we get the twelve-tone system of Western music. However, information is lost when we identify the five C notes as one C note in the mandala. [the Western closed circle of fifths] By information I mean the geometry, of the five-sided object embedded in the sixty cycle. If I were to try to preserve the pentagon in our twelve-note cycle, we get a very interesting scale - the pentatonic scale....guided from Coltrane's statement to Amran... "something that came from natural sources" It is a fact that the pentatonic scale exists in cultures all over the world.....Coltrane was search for what was universal in music....he wanted to find music that came from natural sources. Well, the pentatonic scale can be generated from five perfect fifths.

pp. 223-4, *The Jazz of Physics*

That is the Infinite Spiral of Fifths!! The perfect fifths from natural sources is the infinite spiral of fifths which is most closely approximated in Western tuning by the "sixty cycle" circle of fifths.

So the author is extrapolating to the secret meaning of Coltrane's connection to Einstein:

"In other words, like Einstein's idea of invariance, the pentatonic scale is a basis from which complexity can unfold...."

p. 225

For the most part, there are three tonal centers that move around, like rotating a triangle around the circle of fifths. [the 1-4-5 music intervals that are the key to my analysis!] And this harmonic rotation repeats itself in time.... So I imagined that every time the cycle of the song repeats in time, the improviser gets to play new solos, or even permutations based on what they previously soloed. So what if we mapped the notes to the values of coupling constants and the rhythmic cycles to the cyclic expansions and contractions?

p. 211

The author is using the "infinite spiral of fifths" as the basis for quantum cosmology - successfully!! He published based on that concept - with coauthors. [here](#)

And here - [the paper in the book](#)

In other words, like Einstein's idea of invariance, the pentatonic scale is a basis from which complexity can unfold. p. 225

That is the core idea of my model also as the infinite spiral of fifths. So the author, Dr. Stephon Alexander, does a nice job summarizing de Broglie's analysis of Einstein.

The key to de Broglie's solution was to associate a particle-like property, momentum, with waves and to imagine electrons not as miniplanets orbiting a nucleus but as standing waves on a string.... De Broglie hypothesized that the momentum of the electron could be associated [inversely] with the wavelength of the standing wave orbit, similar to the relationship between a photon's energy and frequency....In the above equation, p is the momentum of the electron as it moves around the center of the nucleus and $[L]$ is the wavelength. It is amazing that this equation is a physical reality, for it states that an electron's

"orbital" wavelength, a wave-like property, is related to how fast it is going around the nucleus, its momentum. p. 164-5.

So the key paradox that de Broglie discovered here is that for Einstein as energy goes to the speed of light the frequency is going up, higher energy, as time, the wavelength, slows down as larger wavelength and any mass increases. But for de Broglie the larger wavelength is inverse to momentum since the frequency determines the mass as energy - so de Broglie realized bigger wavelength means lower frequency which means lower energy and lighter, slower particle (as the mass gets bigger than the wavelength gets smaller).

The paradox de Broglie discovered was resolved as his Law of Phase Harmony - so that there are two time clocks - one that is superluminal - faster than the speed of light - which then goes backwards in time from the future! This is how quantum entanglement harmonizes the classical realm of larger wavelength, greater mass and the quantum realm of larger wavelength, smaller mass. Instead classical science presents it as a measurement problem but in fact it is an inherent "uncertainty" of time and frequency but in reality the uncertainty is from the noncommutative phase geometry of time and frequency. Dr. Stephon Alexander published on superluminal speeds at the inflation of the universe because of noncommutative geometry - this is the quantum cosmology of de Broglie. As he writes:

The next day, I woke up with this newfound insight and ran to my desk to jot down some equations that related to a branch of mathematics called noncommutative geometry, which proposes that the speed of light in the early universe could vary. [p. 61] We will return to this important musical analogy when we explore how asymmetry in the early universe similarly established hierarchies in the earliest cosmic structures. [p. 66]

So then just as with de Broglie's Law of Phase Harmony at cosmic inflation we get this:

But inflation *synchronizes* these phases. [emphasis in original] It is like having all those violins, which began playing a cacophony of different notes, converge on exactly the same note because some field - the 'conductron' - swept over them. In this sense, the inflaton field is our cosmic conductor. p. 192

It could be that there is a quantum effect on space-time that fundamentally violates Einstein's cherished Lorentz symmetry, resulting in a variation of the speed of light in the early universe. p. 204

So then Dr. Alexander argues that Coltrane's music model uses invariance like Einstein's relativity but with Coltrane there is asymmetry inherent to the natural perfect fifths of the non-western pentatonic scale - the secret core of Coltrane's sound cosmology. Dr. Alexander argues that this noncommutative tuning also enables the structure of the universe to resonate out from inflation - as infinity from harmonics. So Dr. Alexander just needs to study music theory a little bit more to realize the actual noncommutative geometry of real Pythagorean harmonics as my blogbook details. He has figured out the intuition of the music - from the natural resonance of the Perfect fifths.

Quantum $1/f$ resonance denied by classically trained mind-controlled science!

The difficulty is that here a judgment based on fundamental science requires the knowledge of quantum electrodynamics however most of noise scientists are solid state physicists or engineers.

... it is the phonons that are the frequency energy as complementary opposite time - as the reverse phase shift of electrons and photons. However, although phonons are massless, they have momentum by virtue of their wavelength. Phonons must carry momentum because they interact with electrons and change the momentum of the latter. So again the phonons are the "hidden momentum" of charge as the precession or backwards wobble of spin - but in alchemy this resonates as a macroquantum energy.

"On the other hand, the ancient Pythagorean musical scales naturally lead to a simple quantum circle....There is something profoundly quantum in all music. A discrete space—the skeleton hosting any musical score, morphs into a true musical form, only after being symbiotically enveloped by a geometry of sound. And this geometry is inherently quantum, as it connects the points of the discrete underlying structure, invalidating the difference between now, then, here and there; thus creating an irreducible continuum for a piece of music: continuous discreteness and discrete continuity."

Durdevich, Micho
Institute of Mathematics, UNAM (Mexico City)
"Music of Quantum Circles" 10/2015

Negative transference – that Reich emphasized – is of course the reason behind the witch genocide in Europe and the original attack against the Pythagoreans.

In fact there's a joke because the Greeks called them "dirty Pythagoreans" (see a new book on

Essenes and Pythagoreans

) because the public baths were avoided: water is such a powerful transducer of energy that shamans do not want to bath in an area that is shared.

God as GOTT, Indo-European plow-Bull wheat white skin malnutrition monoculture patriarchy

Here's a Marvin Harris essay "The evolution of human gender hierarchies" from the book

Sex and Gender Hierarchies

(Cambridge University Press, 1993)

"These questions cannot be answered without considering the different implications of hoes and plows for the sexual division of labor as related to male and female anatomy and physiology in cultural evolutionary perspective. Where hoe agriculture prevails, women tend to be as productive as men in agricultural operations. This is what keeps their labor force in high demand and makes them independent of men. In contrast, where plow agriculture prevails, plowing constitutes a critical task (an 'energy gap') which men perform (or operate) more efficiently than women. And this is what underlies the Eurasian pattern of female dependency and subordination."

Men are controlled by the Techno-State in monogamous family structures (i.e. pay taxes, join the military as mass ritual sacrifice, plow the field, damn it!!)

The techno-feminist angle on all this is that the Bull-God (Plow fertility GOTT – is the root word for God and means Bull) was originally HATHOR – the Female Goddess of Egypt. But Patriarchial war-mongering expansion of plow-based rectilinear housing goes all the way back to 10,000 BC (*Birth of the Gods and the Origin of Agriculture*, Cambridge U Press, 2000).



Readers of my energy feedback quotes

Highest level of French Freemasonry is full lotus yoga pyramid power

Prof. Hugh B. Urban: 1997 "Elitism and Esotericism: Strategies of Secrecy and Power in South Indian Tantra and French Freemasonry," *Numen* 44: 1-38.

[Readers of my energy feedback quotes](#)

"There is a distinction between malevolent witchcraft and "white magic" or "witchcraft for healing." Nowadays, many prefer the term "traditional healer" instead of "witchdoctor," the latter being a colonial term that may connote straightforward

witchcraft rather than healing....on the one hand the practice of witchcraft is illegal, yet making accusations of witchcraft is also illegal....Today, most of Africa continues to outlaw the "practice of magic and witchcraft."160

The Problem of Witchcraft Violence in Africa

John Alan Cohan 2011



Protege of Heisenberg, Prof. Dr. Hans-Peter Dürr, former head of the Max Planck Institute

"What we consider the here and now, this world, it is actually just the material level that is comprehensible. The beyond is an infinite reality that is much bigger. Which this world is rooted in. In this way, our lives in this plane of existence are encompassed, surrounded, by the afterworld already. When planning I imagine that I have written my existence in this world on a sort of hard drive on the tangible (the brain), that I have also transferred this data onto the spiritual quantum field, then I could say that when I die, I do not lose this information, this consciousness. The body dies but the spiritual quantum field continues. In this way, I am immortal."

Prof. Dr. Hans-Peter Dürr, former head of the Max Planck Institute for Physics in Munich

[This dude really understood quantum relativity!](#)

That is the reason why when people are doing quantum physics, if you only use quantum mechanics, they do not see the difference. Only if you go into relativistic theory, you have not only one, but an infinite number of them, disappearing as matter and occurring at interactions. So we are in a way misled by Schroedinger who said, "Why do we need the Matrix mechanics of Heisenberg, when with only the algebra I make the Schrodinger equation that is in space and time. And that is the way, to my mind, the reason why we are on the wrong track. If the biologists try to get an understanding of biology is a complicated [interrupted] of the old physics. They make it so complicated...if you have dead matter and glue it together....it will never get alive.

Trance music training from b4 100,000 years ago!

"A study showed the Khoe and San peoples of the sub-Saharan are descendents of the earliest diversification event in the history of all humans, some 100,000 years ago."

Khoe-San Peoples Diverged Before 'Out-Of-Africa' Migration of Modern Humans

Science Daily

Sept 20, 2012

click-speaking San, a group of hunter-gatherers indigenous to southern Africa who represent one of the deepest branches of the human population tree

. Genome-wide analyses of numerous human populations have revealed that other hunter-gatherer populations such as Pygmies, Sandawe and Hadza also branched early in African prehistory, suggesting a common and ancient origin for hunter-gatherers

. Pygmy hunter-gatherers diverged from the ancestors of contemporary agriculturalist Africans about 56–70 kya

[25]

,

[26]

. Population splits within each hunter-gatherer group, however, are more recent. Molecular data suggest that the San split into two groups only 32–47 kya

[4]

,

[27]

whereas Pygmies separated into ancestral Western and Eastern populations ~20 kya

[25] 2013

Tribal Trance Dance training

“The !Kung San of southern Africa, for example, seek to heal rifts in personal relationships within the community using music and repetitive dance movement to trigger trance states. Many religions have practices such as chanting and fasting that invoke similar mental states: blinding light bursts within the head....It is easy to see how this activity could have been extremely beneficial to our ancestors, uniting the group, discouraging free riders, and so increasing the chances that individuals would survive and reproduce more successfully.”

Professor Robin Dunbar,

How Many Friends Does One Person Need? Dunbar's Number and Other Evolutionary Quirks

(Harvard University Press, 2010), passim.

Bushmen healing books/texts

The Way of the Bushman: Spiritual Teachings as told by the Elders

N/um, Change, and Social Work by Drs. Bradford and Hillary Keeney pdf

Megan Biesele,

Women like meat: the folklore and foraging ideology of the Kalahari Ju/'Hoan

(Witwatersrand

University Press, 1993).

Mathias Georg Guenther,

Tricksters and trancers: bushman religion and society

(Indiana University Press,
1999).

Elizabeth Marshall Thomas,

The harmless people

(Random House, Inc., 1989) and

Rupert Isaacson,

The Healing Land: The Khoisan and the Kalahari Desert

(Grove Press, 2004).

Richard Katz,

Boiling energy: community healing among the Kalahari Kung

(Harvard University Press, 1984).

Marjorie Shostak,

Nisa: the life and words of a !Kung woman

(Harvard University Press, 2000).

the Bushmen book *Healing Makes Our Hearts Happy*.

The Past and Future of !Kung Ethnography: Critical Reflections and Symbolic Perspectives. Essays in Honour of

Lorna Marshall

, edited by Megan Biesele, with Robert Gordon and Richard Lee

Trance Cure of the !Kung Bushmen pdf

by Richard Lee

Some healers try to hoard n/um

Education for Transcendence - Richard Katz pdf

Eland Bull trance dance ritual during first female menstruation at New Moon - oldest language

“There are things about the antiquity of the Bushmen’s culture that we didn’t know. A musicologist found very important music which was used at a woman’s first menarche called ‘elan music’ (honoring the fat-rich antelope). This ‘elan music’ was also present in other language groups of other Bushmen language groups and also the noun-less speakers who are not exactly Bushmen but they’re related. This means that way back before these groups diverged,

somebody invented or composed (this) music and then they took it with them.”

Interview with Elizabeth Marshall Thomas, Paula Gordon Show (Peterborough, New Hampshire, July 19, 2008).



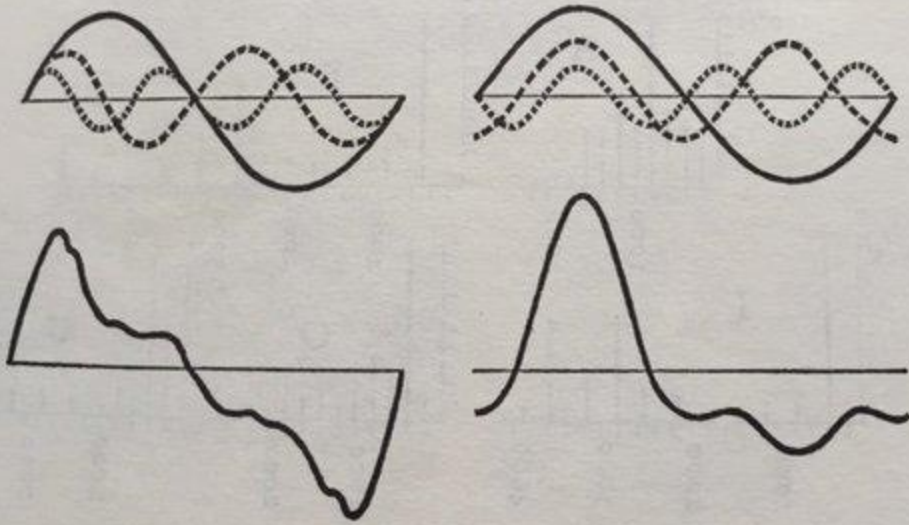
Listening to the 5th Dimension: How Noncommutative Phase solves the problems of reality

air intervening. But the upper limit Dr. Timm has checked—as of exactly the same to 176,000—the upper limit Dr. Timm has checked—as of exactly the same pitch. Although this 'ultra-range' comprises well over three octaves, to us all the 36 tones physically possible seem stereotyped and exactly like the highest tone we can hear in the normal way when it reaches us through the air.

Nature had therefore to make a particularly brilliant invention to endow birds, mammals, and men with the gift of hearing so many different tones. This invention is the basilar membrane of the inner ear.

What does the inner ear in fact do? Let us assume we hear the three octaves above middle C, and then the stirrup vibrates 2,048 times per second on the fluid column of the cochlea. But it sounds different if we hear the same one from a violin or a flute. The reason is that with every instrument the

Figure 68. Two sound waves made up of the same fundamental and two harmonics, but in different phase relationship.



biophysicist Vitus B. Dröscher states in his book, *Magic of the Senses*, p. 168



Ramana Maharshi

Just as [movie] pictures can be made visible by a reflected light, and only in darkness, so also the world pictures are perceptible only by the light of the Self reflected in the darkness of

avidya

(ignorance). The world can be seen neither in the utter darkness of ignorance, as in deep sleep, nor in the utter light of the Self, as in Self-realization or

samadhi.

(Ramana Maharshi, GR, 57.)

People want to see the Self as something. They desire to see it as a blazing light, etc. But how could that be? The [deep] Self is not light, not darkness, not any observed thing. The Self is ever the Witness. It is eternal and remains the same all along....Sages say that the state [or place] in which the thought 'I' [the ego] does not rise even in the least, alone is Silence [mouna] or Self [swarupa]. [That] silent Self alone is God; Self alone is the jiva; Self alone is this ancient world....Attending unceasingly and with a fully [concentrated] mind to Self, which is the non-dual perfect reality, alone is the pure supreme Silence;

—Ramana Maharshi



Echo Timing, Consciousness and Acoustic light from Phonon Ether

It is pointed out that the mystery of how biological systems measure their lengths vanishes away if one premises that they have discovered a way to generate linear waves analogous to compressional sound. These can be used to detect length at either large or small scales using echo timing and fringe counting.

The engineering principle is shown to be very general and functionally the same as that used by hearing organs.

[Self-amplification is secret of life-consciousness](#)

Sound in the head is the same form as the electromagnetic waves in the brain:

The core of the experiment - done in a team with neurosurgeons and electric engineers - consists in comparing the shape of the electric waves of non-acoustic language areas (typically, Broca's area) with the shape of the corresponding sound waves. The result was that not only the shape of the two different waves correlate but they do so also in absence of sound production, that is during inner speech activity, opening the possibility to reading linguistic expression from direct measure of the cortex and skipping the actual utterance of the sentence [Magrassi et al. 2015](#). For a non technical synthesis of these discoveries and a critical discussion see [Moro 2016](#)

So the "externalization" of language as sounds or internal thinking is first premised by electromagnetic fields that have the same shape as the sound waves - direct transduction of electromagnetic thought to sound! Even for sleeping patients! Amazing! [Impossible Languages](#)

listens for the sound of thought by recording electrical activity in the brain. Words and sentences, he tells us, are like symphonies and constellations: they have no content of their own; they exist because we listen to them and look at them. We are part of the data.



LED phone screens spike coherent blue light energy causing cancer



Wow the eyes absorb the microwaves from cell phones!



Look at the Source: Poonjaji

Let this I face the Source and facing the Source is called inquiry, when the I is facing, there is the inquiry. As mirror, in front of the mirror, is reflecting. When you see the mirror? See your face, a reflection. When you keep aside the mirror, where does the reflection go? Back to the face. So this I is inquiring from its own source, which was a reflection in the mind; mind to the senses; senses to the body; body to the senses; senses to the object. This universe is this thing. This is the method of maharshi. Striking at the root of the mind. Everything else, all the methods, ways described by others, people who teach any kind of sadhana, any kind of practice, are WITH the mind, and the result will be mental or like yoga, physical, the result will be physical. This is striking at the root of the mind, instantly.

[This reflection of the I ...here ends the inquiry.](#)

Poonjaji on the secret of turning the light around to access the formless awareness Shaktipat energy, the Yuan Qi source of Yuan Shen.



Sir Roger Penrose on noncommutative quantum gravity proto-consciousness

...I would myself insist on attributing some measure of physical reality to the [quantum] wavefunction. Yet, this "reality" has to acquire some kind of non-locality, as this simple example demonstrates.

genuine curved-space geometry might be incorporated into the twistor formalism. ..we see a new kind of non-locality arising in the twistor picture.

Since these twistor quantum algebras are non-commutative, we are led into the kind of picture provided by the ideas of non-commutative geometry....

Towards an Objective Physics of Bell Non-locality: Palatial Twistor Theory Sir Roger Penrose



Electron spins controlled using sound waves

Cornell applied physicists have demonstrated an unprecedented method of control over electron spins using extremely high-frequency

A research team led by Greg Fuchs, assistant professor of applied and engineering physics, previously had demonstrated electron spin control using a mechanical oscillator, which creates gigahertz-frequency sound waves (audible in the kilohertz range).

They not only created spin transitions with sound, but they also used sound to coherently control the quantum state of the spin.

"We're coherently interacting this quantum thing, this spin, with something that's big and mechanical, a thing you can see with your naked eye, and that actually vibrates," Fuchs said.

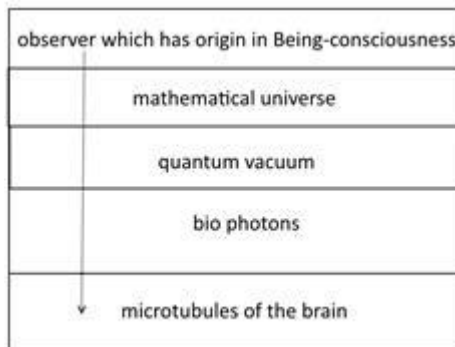
[Quantum Spin via Sound waves](#)

Circuit quantum acoustodynamics with surface acoustic waves.

Nature communications **8** (2017) 975-

R Manenti, AF Kockum, A Patterson, T Behrle, J Rahamim, G Tancredi, F Nori, PJ Leek

The experimental investigation of quantum devices incorporating mechanical resonators has opened up new frontiers in the study of quantum mechanics at a macroscopic level. It has recently been shown that surface acoustic waves (SAWs) can be piezoelectrically coupled to superconducting qubits,



Amazing research of Amrit Srecko Sorli and Davide Fiscaletti, et. al.



Michael Persinger on quantum coherence spin consciousness

In a study (Hu & Wu, 2004), it was proposed that networks of nuclear spins in neural membranes are associated with strongly fluctuating magnetic fields that are modulated by the indirect dipole-to-dipole coupling in action potentials. Interactions between two nuclear spins result indirectly from the interactions of electrons around the nuclei. Hu and Wu found that these couplings had frequencies of 5-25 Hz, which are within the EEG range of activity. They predicted that magnetic fields associated with spin-related coupling across the cell membrane would have an energy value equivalent to photon emission.

[A New Spin on Neural Processing: Quantum Cognition](#)



Dr. Jack Kruse against indoor blue light (computer screens).

Autoimmunity is exploding anywhere the Western ideas are. Western ideas are associated with modern technology and modern technology invariably brings you indoors to an alien sun that's blue, that expands the mitochondrial cytochromes. Every 1 angstrom they increase you reduce quantum tunneling of electrons by a factor of 10.

You wanna know the fastest way to destroy your biology and get an autoimmune condition. Blue light is your answer.

Dr. Jack Kruse

Quantum Mitochondrion and Optimal Health

life has actually tuned itself to use thermal vibrations to 'pump' coherence, rather than disrupt it, which results in a phenomenon known as 'quantum beating'. This effect has been detected in bacterial light harvesting complexes and essentially represents a coherent superposition of electronic states, analogous to a nuclear wavepacket in the vibrational regimen. In essence, the energy in light can be harvested very efficiently and transferred using wavelike resonance. There is thus a 'goldilocks zone' to optimize efficiency; in effect, just the right amount of 'noise' can result in enhanced 'coherence' and 'tunnelling' due to stimulating particular vibrational modes in proteins—so called exciton-vibrational coupling (vibronic coupling)

macroquantum jing to qi to shen alchemy

Skulachev has suggested that fused mitochondria could act as 'power cables' [67]; it is thus interesting that Reynaud has shown that mitochondria can be made to fuse using electric fields in vitro [68]. This would be in keeping with the ideas of Fröhlich about energy transfer involving vibronic coupling, in particular, between mitochondria and microtubules [69].

Hence, both calorie restriction and increased metabolic demand would generate an adaptive response (hormetic trigger) to improve mitochondrial function. As the mitochondrial potential is restored, and mitochondrial mass and/or efficiency increased, quantum tunnelling would become more efficient and ATP levels re-established and ROS minimized.

This of course suggests a very tight relationship between mitochondrial function, quantum efficiency, inflammation and aging.

In summary, the central precept for this paper is that humans evolved in a quantum universe and that quantum effects are pivotal for optimal function.

Fred Alan Wolf (p. 94, *Taking the Quantum Leap*)

The movement of the electron from one orbit to another lower energy orbit was a simple change of notes. As a violin string undergoes such a change, there is a moment when both harmonics can be heard. This results in the well-known experience of harmony, or as wave scientists call it, the phenomenon of *beats*. ...The light was a beat, a harmony, between the lower and upper harmonics of

the Schroedinger-de Broglie waves. When we see atomic light, we are observing an atom singing harmony....They had no medium to wave in, and they had no recognizable form in physical space.



The secret Golden Key of alchemy

This is the secret of how energy masters can do long distance healing - because as pure light they experience no space - their light can go anywhere in space, holographically, just by focusing on that space. Qigong master Zhang Hongbao, a former Communist Party "Red Guard" worker had his key insight that moved him beyond Marxist philosophy, [\[pdf link\]](#) to create the mass qigong master training business Zhonggong: [more here](#)

According to Zhang, Marx and Engels failed to appreciate that "thought and matter have a dialectical, not a master-slave, relationship," with thought and spirit actually existing as "yin" matter, a realm governed by motion that occurs beyond the speed of light. Zhang's own breakthrough discovery (*tupo kuo*) that "the power of thought" (*yinianli*) has a measurable material existence in the yin realm became the "golden key" (*jin yaoshi*) that unlocked for him the mysteries of the universe. [Chinese Society: Change, Conflict and Resistance \(googlebook\)](#)

Animal Communication from quantum nonlocal awareness

How Anna Breytenbach explains animal communication - "it's actually a matter of the heart....People have to go quiet and still to hear again." To fine tune these skills simply requires becoming quiet enough from the mental chatter. A quiet enough inner state to be able to hear and listen very deeply beyond the five senses. When the mind can fall really quiet and I'm just in a state of shared awareness, ...seeing, it's a mutual knowing....in a much more full way than linear time can even account for. And in three seconds of shared being with another, we can know each other fully: past, present and future.



Time-frequency uncertainty arises from non-local noncommutative phase

[Uncertainty principle and music tuning:](#)

You may think that the Uncertainty Principle has nothing to do with music. But the formula can be transformed into the relation between time and frequency of waves. ...Now we have found out the fact that it is impossible for us to know the exact frequencies in our sound wave at an exact moment in time.... In other words, theoretically we cannot get the perfect fifth tone with a frequency f from a root tone with a frequency f_0 by calculating $f = f_0 \times 3/2$.

The Russian astrophysicist Nikolai Kozyrev also discovered the secret of this superluminal ether as a scalar wave - [Time is a form of energy.](#)

"Cause or Asymmetrical Mechanics in Linear Approximation"

N.A. Kozyrev calculates the qualities of stellar matter where it functions as a transformer of time-form energy into heat-energy. It is concluded that the transformation involves several

electrodynamical processes, but, generally, any closed mechanical system can produce energy also if it is an asymmetrical system. The asymmetry for mechanics by Kozyrev is cause-effect asymmetry and if the mechanical system includes the non-reversible cause-effect connection it can take the energy from time-flow. By my opinion, this is the theoretical basis for any kind of perpetual motion system. [Joseph P.](#)

[Farrell extrapolates on Kozyrev's research to speculate on secret military powers and ancient civilizations - his "Grid of the Gods" 2011 book link](#)

Farrell argues for an ancient global high civilization based on alchemy and then he includes a section called: B. Music, the Alchemical Medium, and Astronomy:

The Vedic tradition is full of allusions to the "luminous nature of sound". Indeed, the word for light (svar) is similar to the word for sound (svara). — This as I have observed elsewhere, is another clue that perhaps we are viewing a legacy of a lost sophistication in physics, for the idea of a "sound-light" can also be understood as "electro-acoustic," i.e., as longitudinal electrical

waves in the medium, recalling the "Sound- Eye" spoken of in the Egyptian Edfu texts.—...In other words, our "ancient topological metaphor" is also a musical metaphor....the use of musical codes in the Platonic and Pythagorean traditions — rather than the quantum mechanical and astronomical encoding, that points directly to the next necessary stage in our speculative case that pyramidal structures are hyper-dimensional machines, designed to manipulate the medium itself, in all its effects, including consciousness.... The Pythagoreans, in other words, were preserving a secret of hyper-dimensional geometry....

The key point of Kozyrev is that, unlike Western science, the scalar is asymmetric resonance [and it was the key insight to explain paranormal research in the Soviet Union.](#)

Asymmetry is a basic property of life. This can't be a chance thing, Dr. Kozyrev thought. ... Perhaps the energy of "time" flows in this pattern.

Tim Maudlin - NYU Philosophy of Science Professor - [The Directionality of Time as the Fundamental of Reality](#) - time is asymmetric order:

I think this is a really nice place to go fundamental....We shouldn't try to give a further explanation or account of the direction of time....it's doing a job that doesn't need anything underneath it to further produce. The other thing about taking the direction of time, this is where we ought to end, at this asymmetrical before/after relation...It is the fundamental ordering principle.



Quantum Phonons, secret of alchemy

[Quantum effects are responsible for holding DNA together.](#)

.. what happens to these oscillations, or phonons as physicists call them, when the base pairs are stacked in a double helix. Phonons are quantum objects, meaning they can exist in a superposition of states and become entangled, just like other quantum objects. To start with, Rieper and co imagine the helix without any effect from outside heat. "Clearly the chain of coupled harmonic oscillators is entangled at zero temperature," they say. They then go on to show that the entanglement can also exist at room temperature. That's possible because phonons have a wavelength which is similar in size to a DNA helix and this allows standing waves to form, a phenomenon known as phonon trapping. When this happens, the phonons cannot easily escape. Quantum biologist Elisabeth Rieper discovered "in a standard analysis, there's not enough energy to hold DNA together, but their quantum theory makes it work."

quasiparticles such as electrons and holes in solid-state crystals, mass spring systems⁵ or collective excitations such as Bose Einstein condensates in lattices^{6,7} may exhibit a dispersion relation with regions of inverted curvature where the effective mass is negative....a nonlinear phase shift on each pulse....action reaction symmetry breaking



Quantum Coherence self-amplifies as negentropic energy

[The end of the video has the scientists saying "in principle you can be in two places at once" and also "you can walk through walls." pdf tuning nanosound into quantum resonance](#)

Qigong master Sifu Ho Fatt Nam [said his senior classmate could walk through walls.](#)

[The permutations of possible energy levels of biomolecules is huge so the possibility of finding even one that is in the quantum critical state by accident is mind-bogglingly small and, to all intents and purposes, impossible. So that fact that most of the molecules they modelled fall into this category is hugely significant."While in physical systems the critical state can be reached only upon a careful tuning of the strength of the disorder, in the following we show that certain biomolecules are precisely at the critical state without any external tuning....Environment-assisted Quantum Transport\[49\] \(ENAQT\) is dominant and facilitates the fast quantum spreading of excitations over the system."](#)

Quantum Criticality at the Origin of Life

[Gabor Vattay](#), [Dennis Salahub](#), [Istvan Csabai](#), [Ali Nassimi](#), [Stuart A. Kaufmann](#)

Comments: 10 pages, 4 figures

Journal-ref: 2015

Thus quantum and classical states alternate, in various frequency scales, which interact, not unlike music.

Virtually all biomolecules and organelles have non-polar interiors friendly to quantum coherence (the 'quantum underground'). Higher levels of consciousness would involve larger E (more tubulins, more neurons and a higher portion of the brain), and shorter t, thus higher frequencies. Stuart Hameroff

Metabolic pumping will excite macromolecules such as proteins and nucleic acids as well as cellular membranes (which typically have an enormous electric field of some 10^7V/m across them). The excited molecules/membranes will vibrate at various characteristic frequencies resulting from the coupling of electrical displacements to mechanical deformations. This eventually builds up into collective modes (coherent excitations) of both electromechanical oscillations (phonons, or sound waves in solid medium) and electromagnetic radiations (photons) that extend over macroscopic distances within the organism and perhaps also outside the organism.

On more than one occasion, my teacher told us an experience he had with Wang Li Ping in China. He asked about enlightenment and how one really can know if they're enlightened. Sherfu Wang was silent. Suddenly he stood up and left the room, locking door behind him. A moment later he walked back in the room, passing right through the wall as if it didn't even exist. My teacher's jaw dropped as [Sherfu calmly and simply explained that when you are enlightened you are truly one with your environment; not just intellectually or spiritually, but totally.](#)



Charles G. Finney, Evangelical Preacher as alchemy energy

Century revivalist preacher Charles G. Finney, call it the Holy Spirit. Finney describes his experience of being spiritually cooked:

“...the Holy Spirit descended upon me in a manner that seemed to go through me...like a wave of electricity... Indeed it seemed to come in waves and waves of liquid love; for I could not express it in any other way. It seemed like the very breath of God.”

quoted by Dr. Bradford Kinney

The Bible represents the Spirit as giving to the mind both light and heat. It both illumines and impresses; both reveals the truth, and makes it seem real, and hence makes it effective as truth, upon the mind. Hence the fitness of the figure which on the day of Pentecost, presented the descending Spirit under the symbol of “cloven tongues like as of fire.” Hence also the figure implied in our text—“Quench not”—as if it were a candle flame,—a fire, which might be extinguished. It is the office-work of the Spirit to enlighten the intellect, and at the same time to warm the sensibilities. This is indeed a most remarkable fact, that when the Spirit of God reveals light, it is done in a manner which always warms the sensibility.

Many seem not to realize the nature of the Spirit’s operations, the possibility always of resisting, and the great danger of quenching that light of God in the soul.

Again there is, so to speak, a sort of heat, a warmth and vitality attending the truth when enforced by the Spirit. Thus we say if one has the Spirit of God his soul is warm; if he has not the Spirit, his heart is cold.

This vital heat produced by the divine Spirit may be quenched. Let a man resist the Spirit, and he will certainly quench this vital energy which it exerts upon the heart.

Charles G. Finney



Dr. Andrija Puharich's Phonon-Hydrion Effect is verified:

By ionizing the collagen through piezoelectric resonance, the water splits harmonically to create a superconducting proton-proton charge. Why? Each CD [coherent domain] of water is a resonating cavity produced by the electromagnetic field that ends up trapping the field because water is much denser than air, so the frequency of the CD electromagnetic field becomes much smaller than the frequency of the free field with the same wavelength.... and therefore contains close to a million almost free electrons. At the same time, positively charged protons are extruded outside the domain, which is what happens also in the exclusion zones discovered by Pollack [10]. Because of quantum relativity as “imaginary mass” of the trapped biophoton light - Dr. Mae Wan Ho has details based on Emilio Del Giudice and Gerald Pollack and Shui-yin Lo and George Reiter - carbon nanotubes and water charge research -

pdf

“protons are coherently delocalized in two momentum states.”

“the frequency of the CD [coherent domain] electromagnetic field becomes much smaller than the frequency of the free field with the same wavelength.”

De Broglie Law of Phase Harmony.

“The phase, distinct from the energy, can travel faster than light.”

Emilio Del Giudice

A coherent system is in fact able to concentrate its energy from the whole of its degrees of freedom [infinite frequency] to a small number of them. ...We can finally put forward the hypothesis that Wilhelm Reich's orgone is the form assumed by the energy of the organism in a condition of coherence [complementary opposite noncommutative phase-space]. In this case, the disappearance of the orgone becomes the consequence of the loss of coherence of the organism, with a subsequent loss of self-movement and a tendency towards the state of inert matter.

[Author's response](#)

www.tandfonline.com/doi/pdf/10.1080/02604027.1971.9971761

OLIVER L. REISER. University of Pittsburgh. THE critiques by Professors Alburey Castell and Archie J. Bahm are friendly in tone and thoughtful in content. I wish to thank these reviewers for their sustained efforts at system some ideas proffered me by Dr. *Andrija Puharich*. Now we, together, propose the hypothesis that ...

See below for my Actual Matrix Plan based on the music logarithmic spiral, from Puharich and Reiser, with elite science support!



Qigong reality demands scientific breakthrough

Skeptics Debunked about External Qigong for Chronic Pain healing research

On a kungfu forum in 2012 someone

dares to post the Mayo Clinic, University of Minnesota gold-standard (randomized controlled) external qi results. The next person responds:

At least read the abstract to the study BEFORE you post it man.

At week 8, these differences in overall decreased pain intensity persisted but were not statistically significant. (<http://www.ncbi.nlm.nih.gov/pubmed/20626055>)

I won't assume you know what that means - it means by 8 weeks the people with the Qigong treatment didn't even PERCEIVE their treatment as really being any more effective than the people without it.

Just because the qigong company cherry-picks quotes doesn't mean the Mayo Clinic actually got the results they hoped for.

O.K. so the person who posted the results feels like they've been "put in their place" but have they? The skeptic may have read the "abstract" and felt proud about that but the skeptic did not read the actual study!!

So sorry, better luck next time.

That's the "final" word of the skeptic. And the person who posted the research responds as if they learned their lesson:

Thanks for explaining this in more detail, I understand better now what you were stating.

But

the pdf link clearly explains

what the skeptic misunderstood from the abstract. The external qigong treatments were only for 4 weeks! After each treatment, the treated people felt significantly improved of chronic pain or to quote the study:

immediate reductions in pain intensity in persons with chronic pain, after the 2nd, 3rd and 4th EQT sessions. This finding is especially impressive given the long duration of pain (>5 years), in most of the participants.

(my emphasis) So then to clarify the control group got “delayed treatment” with no follow up on their pain reduction. So the first 4 weeks the group receiving external qi was tested for pain reduction, then 4 weeks later the “delayed treatment” was received for the control group that was not tested for pain reduction. Then at

8 weeks

the first group had not been receiving any qigong healing for 4 weeks and after 4 weeks of no healing they reported no difference any more.

What the study clearly showed is that as long as they got the external qi healing then the pain reduction they experienced was much better than what Western medicine had been able to provide. Drs. Ann Vincent, Jamia Hill, Kelly M. Kruk and Brent A. Bauer then finish the report saying that length of treatment and frequency of treatment would then better optimize the results in the future.

34 Qigong Hospitals, 1989 China

“Since the first Qigong Treatment Convalescent Hospital was set up in Tangshan, Hebei Province, in 1954, the state public health department has overseen the establishment of 34 qigong hospitals....most other hospitals and convalescent homes across the country also have special qigong departments...China has at least eight magazines devoted to qigong research and popularization....from China’s ten national and many local qigong scientific research associations....Qigong researchers maintain that the body and nature exist as an inter-related and inseparable unity....Qigong was first used medically in New China to cure stomach ulcers. A survey of 1,000 sufferers conducted between 1954 and 1959 discovered that qigong is effective for over 95 percent of them.

Subsequent X-ray examinations showed that the continued use of qigong helped the body to absorb scar tissue, ensuring a complete recovery with no possibility of relapse....Professor Feng Lida....using an electron microscope...discovered that active cancer cells changed state when subjected to qigong. They swelled up then disintegrated and died....Other suggestions included a kind of human laser beam and an energy transporting medium....such a breakthrough will lead to a massive new technological revolution - perhaps even greater than the one brought about by quantum mechanics, the theory of relativity....It will reshape the entire human world.”

Beijing Review

, April 24-30, 1989

“Toward what I believed to be the end of the evening, Xaxe, a great hunter, healer, and shaman, laid hands on me....I felt the energy, his energy, surge through my body. He had his hands on me for about twenty-five or thirty seconds, but it felt like he had only touched me for a split second. Time stood still. I literally had a

short out of body experience. I could see him touching me from just above my body, almost like I was floating six feet off the ground, watching myself. All of a sudden I was back in my body observing an image of him thumbing through the book that contained all the pictures and moments in my life. I saw

images of my childhood I hadn't remembered in years, pictures of my mother and me walking on a beach and shelling, very strong images. At the time, both during his touch and immediately afterward, I described it as him flipping through the pages of my life....Later the next morning, I spoke with Xaxe about the trance dance. He told me he wanted access to me in a way that was not possible through a translator....Xaxe's curiosity was such a caring, loving gesture....When he detached from me it felt like someone was unplugging a lamp from a wall socket.

As he let go of me and continued to dance around the fire, I spontaneously burst into uncontrollable tears....I had been stripped to my emotional core, completely stunned by what I had witnessed so up close and personal."

Andrew Zimmern,

The Bizarre Truth: how I walked out the door mouth first – and came back shaking my head

(Random House, 2009), 234-5.

"The American anthropologist Lorna Marshall who, together with her family, worked with !Kung Bushmen in the early 1950s, likened this potency to electricity: it is a power that can be harnessed for the good of humankind, but intense concentration, if allowed to get out of control, can kill people.

Supernatural power -and the dance that activates it - lies behind the rock paintings and engraving, for which the Bushmen are justly famous."

Dr. David Lewis-Williams, 1991 pdf



noncommutative phase secret of Orthodox Early Pythagoreanism

Dear Professor Borzacchini: Thank you for your fascinating new article [Einstein's violin and the cognitive roots of the Scientific Revolution](#). Have you seen the article on Philolaus and Number in the 2014 book, ["On Pythagoreanism."? full pdf](#) link:

Also have you seen Alain Connes remarks about music theory?

a "universal scaling system", ... this discrete scaling manifests itself in acoustic systems, as is well known in western classical music, where the two scalings correspond, respectively, to passing to the octave (frequency ratio of 2) and transposition (the perfect fifth is the frequency ratio $3/2$), with the approximate value $\log(3)/\log(2) \sim 19/12$ responsible for the difference between the "circulating temperament" of the Well Tempered

Clavier and the "equal temperament" of XIX century music. It is precisely the irrationality of $\log(3)/\log(2)$ which is responsible for the noncommutative [complementary opposites as yin/yang] nature of the quotient corresponding to the three places $\{2, 3, \infty\}$. -

[Math professor \(Fields medal\) Alain Connes on quantum music as noncommutative time-frequency origin of reality from infinite spiral of perfect fifths!](#)

Our brain is an incredibleperceives things in momentum space of the photons we receive and manufactures a mental picture. Which is geometric. But what I am telling you is that I think ...that the fundamental thing is spectral [frequency]....And somehow in order to think we have to do an enormous Fourier Transform...on geometry. By talking about the "music of shapes" is really a fourier transform of shape and the fact that we have to do it in reverse. Alain Connes, 2012

What do you think of this claim that contradicts Philolaus?

“Orthodox Pythagorean theory recognizes five consonances: fourth, fifth, octave, twelfth, and double octave; and these are represented by the multiple and superparticular ratios $[n + 1 : n]$ from the tetrad. The number 8 obviously does not belong to the tetrad.”

André Barbera, "The Consonant Eleventh and the Expansion of the Musical Tetractys: A Study of Ancient Pythagoreanism," *Journal of Music Theory*, 1984.

My claim is that in fact Orthodox Pythagorean philosophy was based on what Peter Kingsley details as "incubation" meditation with five years of silence as infinite resonance from noncommutative phase.

R. P. Winnington-Ingram's, "Aristoxenos and the Intervals of Greek Music," (1932) as an article "admits that the pre-Platonic theorists used the tone 8:9 to construct a scale, but for some reason is reluctant to attribute this construction to the Pythagoreans."

Do you have any knowledge of these articles and can you comment on them?

So

However, he [Archytas] noted that the product of the arithmetic mean and the harmonic mean is equal to the square of the geometric mean, so this gave a way of dividing the fifth of 3:2 into the product of 5:4 and 6:5.

A Truman State University review on Scriba, Christoph J. "Mathematics and music." (Danish)

Normat

38 (1990), no. 1, 3–17, 52.

This means that the noncommutative phase could not be allowed - the empirical truth of 2/3 as C to F, Perfect Fifth, subharmonic frequency was not allowed!!

But in Daoist alchemy training - it is based on noncommutative phase and this is from the empirical truth of music theory!

This is also the truth of the "three gunas" alchemy meditation in India - from noncommutative phase of music theory!

Eddie Oshins, the quantum physicist, figured this out:

This representation only works for the (more fundamental) 1/2-integral representations (i.e. spinors/turns/quaternions) but also lets one build the vector and tensor representations. The converse does not hold....this property of "noncommutativity" in itself might be valuable in some way.

My claim, and original idea, has been that this is circumnavigating a T'ai Chi (Yin/Yang) symbol! More recently (Oshins, 1993b) I have suggested that this proximate technique can be used to realize Wing Chun kung-fu's "bong sau/tan sau" movement out of the Kauffman/Oshins "quaternionic arm" discussed and referenced below in end note 5.

I believe that this may be a way to get mind to code the relative relationship of part of oneself with respect to the rest of oneself (self-referential motion) and can explain the concepts of being "centered"/"one"/"integrated"/"extended"/"whole" etc. which one strives for in meditation.

Oshins, E. (1993). Oshins, E. (1993). A test for classical psychospinors.

<http://www.quantumpsihology.com/pdf/Test-ClassicalPsychospinors.pdf> In Abdullah, F. (Ed.)

Conservation and Invariance. Cambridge, UK: Alternative Natural Philosophy Association, London England.

And Louis de Broglie's Law of Phase Harmony is based on this same noncommutative phase secret as the 5th dimension that is "time-like" - just see Astrophysics Professor Paul S. Wesson for details.

Philolaus covered up this truth by using the "double octave" for 9/8 frequency that led to the geometric mean equation of Archytas.

Any comments, questions, criticisms and replies would be appreciated,

thanks,

drew hempel, M.A.

Noncommutative phase is time-like but nonlocal. Time-frequency uncertainty is from noncommutative phase as Basil J. Hiley points out, as Alain Connes points out, as Paul S. Wesson points out, as Hameroff and Penrose points out. Even the multiverse dude - he says that the Big Bang happened from time-frequency uncertainty. If you can go "faster" than Planck's Constant then you create matter from nothing - but quantum assumes a linear operator. Listening as logical inference is nonlinear - and so the de Broglie pilot wave is also noncommutative phase as superluminal nonlocality. Listening is 10 times faster than Fourier Uncertainty! Planck's Constant is an "action" with the time variable hidden within it - as cycles per second. In fact Planck's Constant is just the mean energy of light in one cycle of time - just by dividing frequency of light by cycles per second you get Planck's constant, as Juliana Mortenson points out. So as Gerard t'Hooft points out "Light is Heavy" meaning there is a hidden relativistic mass of light that is superluminal phonon energy. as B.G. Sidharth points out, light has mass due to noncommutative spacetime (noncommutative phase).



Internal Sonofusion

Ultrasonically-controlled stable and inertial microbubble oscillations (acoustic cavitation) exert forces that can, among others, activate cell's mechanoreceptors[1], disrupt cellular and vascular membranes[2]–[4], accelerate the dissolution of blood clots[5], enhance thermal ablation[6], [7] and induce localized tissue erosion[8]. Harnessing these abilities holds great promise for therapy and diagnosis of central nervous system diseases and disorders[9], [10]. This measurement was found to correlate well with the level of blood-brain barrier permeabilization in experiments in non-human primates (NHP)[21]. In a separate study, we showed that the location of cavitation activity identified by the passive acoustic maps (PAMs) agreed with the location of the resulting MRI-evident blood-brain barrier permeabilization[31].

Military PDF - biological effects of acoustic cavitation

"When the eardrum is 'tightened' higher frequencies are absorbed and transmitted to the inner ear..." (Porges)

[August 2015, Cancer is Cured, Jonathan Thomason, googlebook](#)

"Body cells are burned by ultrasound above 180 W/cm squared. But for the pressurized cancer cell, they experience sole content boiling at only 90 W!...So a HIUS causes explosive fragmentation of only our viruses and cancer cells....This will work for all cancers, heart disease, diabetes, MS, IBS, arthritis, and the other diseases of age....The ultrasound cure is a physical cure and so much easier to implement...It

was a massive production of heat in response to the ultrasound....Ultrasound wrap the boils off liquid water, by inducing physical molecular nuclear fusion. ...We transform water into helium and oxygen massive energy and gamma radiation....This is modern alchemy....Every biological organism on earth does biological molecular nuclear fusion....Because high powered ultrasound will cure all 200 types of cancer out there....It is possible to use HIUS (high intensity ultrasound) to stave off all diseases of age.

[Jon's blog has more details, he uses a 8 W 1 MHz ultrasonic massage device purchased on Amazon](#) and he has been now corroborated - "2014 First noninvasive thermal ablation of a brain tumor with MR-guided focused ultrasound" China has successfully treated over 20,000 tumors with MR-guided ultrasound: [pdf](#)

"Focused ultrasound is a noninvasive technique that should be the future for the treatment of many tumors," said Dr. Zhang. "It is important that physicians and patients know about this approach and how patients can benefit from this treatment."

Ultrasound proprioception as the Matrix:

All phenomenal things are first heard - phenomenal things are known via sound; sights are seen via sound; scent is via sound; taste is known via sound - knowing is via sound. It is via sound that sound is known. "Shabda" [sound] - meaning: "Sh[a]" = Shiva + "b[a]" = throat + "d[a]" = the door at the region of the anus - all the sounds that resonate from the magnetism of the mortal body down to that point...and by which anything is cognized - that is what is called "shabda."

Yogiraj Sri Sri Shyama Charan Lahiri Mahasaya

Tamil Tirumantiram excerpts

They traverse the spheres of sun and moon, pingala and ida, and see visions of past, present, and future. And in that full moon day the nectar, amrita, ripens. Until lowering into the external mind from kundalini heights, time stands still. 875

It is the light of Shiva that beams jnana....It is the light born of constant awareness of the pure sound Aum. 2686



On Pythagoreanism music healing - 2013 - 2015

[On Pythagoreanism - full book pdf](#)

[Dr. Lisa M. Wong on Music for Healing - youtube](#)

[The Perfect Fifth -- The Science and Alchemy of Sound pdf](#)

by John Beaulieu

"The 'demusicalization' of the theory of proportions by Plato is shocking." (Borzacchini, p. 281 of his academic article on the topic, "*Incommensurability, Music and Continuum: A Cognitive Approach*").... "...this 'removal' seems really astonishing!"

Then Borzacchini pulls out his trump card: "However, I think I can prove that in the Platonic Academy there was a trace of this earlier approach, with a tight connection between music, numerical means and similarity, and without any reference to geometric figures, such as square or pentagon." Borzacchini, again, is revealing a cover-up: "Why these silences? And why this sudden and radical change?" (hiding the secret musical origins of western science!). "Why this sharp change? I think the first reason was that

the musical proof was only negative, whereas the geometrical approach allowed the effective construction of incommensurable magnitudes."



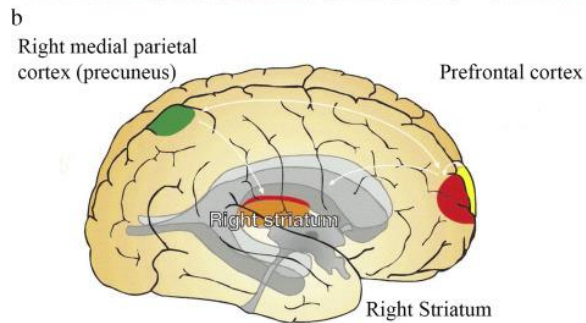
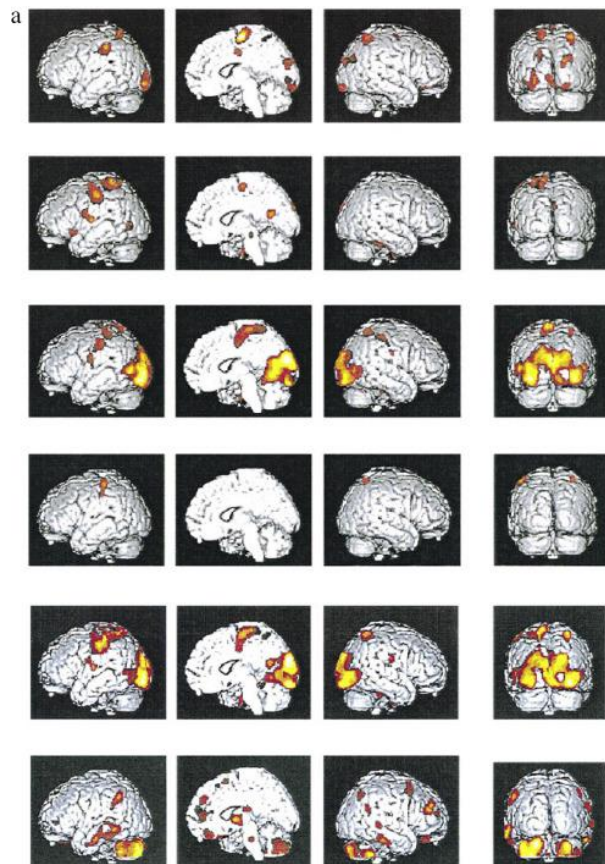
The Big Wow: End of Quantum Cosmic Inflation=Self-Consciousness

The Big Wow theory is the colloquial name for a paper by Italian theoretical physicist [Paola Zizzi](#) entitled "Emergent Consciousness; From the Early Universe to Our Mind" [gr-qc/0007006](#) which proposes the possibility that the early [universe](#) comprised a giant [quantum computer](#) with a complexity comparable to that of the [human brain](#). Specifically; she states that the universe reached a level of quantum computational complexity, during the period of [cosmic inflation](#), to undergo what [Penrose](#) and [Hameroff](#) have called Orchestrated Objective Reduction, or [Orch-OR](#), allowing the [emergence](#) of [consciousness](#). Zizzi's paper builds on the work of [Whitehead](#), [Chalmers](#), and others, as well as Penrose and Hameroff, but it is fundamentally a theory of [Loop quantum gravity](#) which derives some of its power from the [Holographic Principle](#). It suggests that the universe's conscious moment, or 'occasion of experience' came at the end of the inflationary period in [physical cosmology](#), and was the event that allowed the universe's quantum [state vector](#) to reduce, thus selecting the conditions for our specific universe, out of a superposed multitude of possibilities.

[This is a totally fascinating analysis.](#)



right medial parietal cortex (precuneus) activated in meditation and the control state



Precuneus as the "hidden observer" or awareness



Hidden Observer as the Cognitive Unconscious

There is also a cross-modal circuitry between auditory and somatosensory regions (Dehner, Keniston, Clemo, & Meredith, 2004). Sound can induce phosphene light perception (a kind of optical illusion) (Lessell & Cohen, 1979). Thus, the phosphene phenomenon can also be associated with

multisensory processes and signal integration between the primary visual cortex and the primary auditory cortex (Bolognini, Convento, Fusaro, & Vallar, 2013).

[The "Hidden Observer" as the Cognitive Unconscious During Hypnosis \(PDF Download Available\).](#)

It is remarkable that both the precuneus as well as the visual areas (cuneus) acts as special hubs in the brain which seem to play central roles in hypnotic state.

• Hilgard's "neodissociation theory" suggested that during hypnosis the conscious mind dissociates from what happens during hypnosis (Hilgard, 1973, 1977). Hilgard also proposed the "hidden observer" idea that states that during hypnosis a separated consciousness is formed in an individual's mind which is capable of observing the individual.

The dissociation (or special state) under hypnosis can be "computationally" closely related to the precuneus that reconfigures the voluntary (conscious) and unconscious circuits via internal multisensory representations generated through suggestion and imagery.

Abhinavagupta on Spanda vibration

...there always arises a spontaneous sound (*dhvani*) which is termed the supreme, the Heart. That self-consciousness in the Heart in which the entire universe without remainder is dissolved, present at the beginning and at the end of preception of objects, is called in the authoritative texts the vibration (*spanda*), and more precisely, the universal vibration (*samanya-spanda*), and its nature is an overflowing in the Self. For that vibration, which is a slight motion of a special kind, a unique vibration light, is the wave of the ocean of consciousness, without which there is no consciousness at all.

The Triadic Heart of Siva pdf

Heart of the Spears healer

Soon someone in the group so fills with *n|om* that she "wakes up" (!aia) and begins to shake (thara). The one who shakes moves through several "stations" of *n|om*: first she feels power; then she feels a big love for all present that manifests both as an ability to see the suffering of others and as a desire to respond, touch, and "pull out sickness." A rare few progress to a third station in which they feel a love so all encompassing that they are able to shoot *n|om* into others, awakening their hearts to more love. Such a person is a Heart of the Spears.

As the !Kunta Boo tells: "There is something acting on everything to change. We call this force of change *n!o'an-ka|'ae*. This is the most important Bushman word. It is the force that is making everything move... the secret of creation and transformation" (53).

For the Bushmen, these arrows and needles are compressed *n|om*, potent bundles of life force.

When our nails are clean and strong, we feel a vibrant buzzing and hear an uplifting tonal hum inside of us. There is always music in our heart and head" (12).

Dr. Kimerer LaMothe, Psychology Today review

Presbyterian preacher of 1850s

the 19

th

Century revivalist preacher Charles G. Finney, call it the Holy Spirit. Finney describes his experience of being spiritually cooked:

“...the Holy Spirit descended upon me in a manner that seemed to go through me...like a wave of electricity... Indeed it seemed to come in waves and waves of liquid love; for I could not express it in any other way. It seemed like the very breath of God.”

quoted by Dr. Bradford Kinney

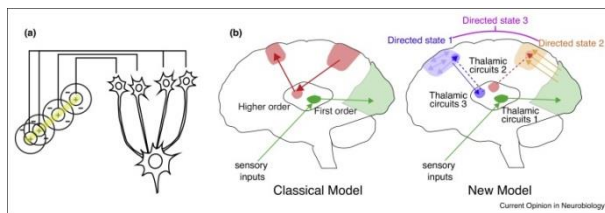
The Bible represents the Spirit as giving to the mind both light and heat. It both illumines and impresses; both reveals the truth, and makes it seem real, and hence makes it effective as truth, upon the mind. Hence the fitness of the figure which on the day of Pentecost, presented the descending Spirit under the symbol of “cloven tongues like as of fire.” Hence also the figure implied in our text—“Quench not”—as if it were a candle flame,—a fire, which might be extinguished. It is the office-work of the Spirit to enlighten the intellect, and at the same time to warm the sensibilities. This is indeed a most remarkable fact, that when the Spirit of God reveals light, it is done in a manner which always warms the sensibility.

Many seem not to realize the nature of the Spirit’s operations, the possibility always of resisting, and the great danger of quenching that light of God in the soul.

Again there is, so to speak, a sort of heat, a warmth and vitality attending the truth when enforced by the Spirit. Thus we say if one has the Spirit of God his soul is warm; if he has not the Spirit, his heart is cold.

This vital heat produced by the divine Spirit may be quenched. Let a man resist the Spirit, and he will certainly quench this vital energy which it exerts upon the heart.

Charles G. Finney



Pineal Gland third eye thalamus



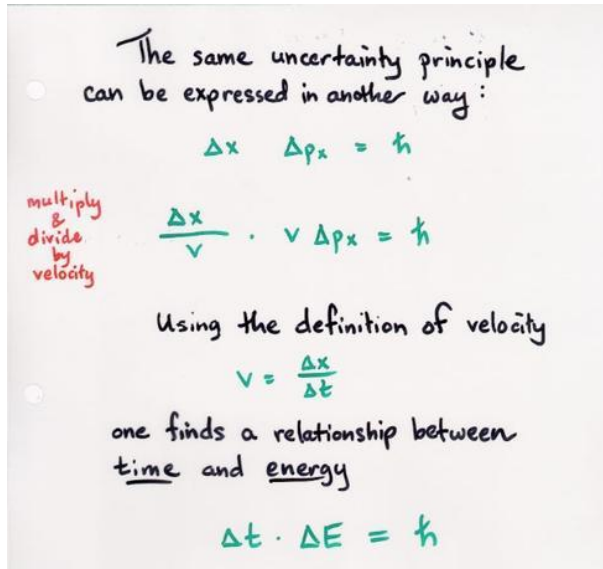
thalamus-pineal gland secret controls prefrontal cortex

Thalamic amplification of cortical connectivity sustains attentional control

Overall, our results define a previously unknown principle in neuroscience; thalamic control of functional cortical connectivity. This function, which is dissociable from categorical information relay, indicates that the thalamus has a much broader role in cognition than previously thought. [May 2017](#)



The Planckian Black Hole quantum consciousness



Because Momentum = $p = h/\lambda$



Worm consciousness

What it feels like to be a worm? Secret of Kundalini: Neuroscience on consciousness:

Parsimony suggests that the sudden onslaught of positively-charged ions (cations) into the alkaline cytoplasm—the very definition of membrane excitability—is the key phenomenon involved in a cell's "awareness" of its environment ("sentience"). In other words, what makes cells with excitable membranes so unusual is their response to electrostatic disturbances of homeostasis (slight acidification of the normally alkaline cellular interior) following external stimulation. In order to produce the higher-level "awareness" of animal organisms, the activity of these numerous excitable cells to achieve a kind of sentience must be synchronized (in ways yet to be determined) for coherent organism-level behavior....

This positively charged electrostatic "shock" signals the detection of potential danger (most critically, rupture of the plasma membrane and the influx of slightly acidic "seawater") that occurs in milliseconds....

We therefore suggest that the higher-level awareness of animal organisms is, in essence, a consequence of the coordinated "irritability" of billions of excitable cells....

So it can't just be that cations flowing into the cell are what matters, but the overall causal effect the inflow of charged ions has on the system....

I do share with the letter writers a hunch that it may well be that "it feels like something to be a worm".

Scientific American

By

Oliver Sacks

Antonio Damasio

Gil B. Carvalho

Norman D. Cook

Harry T. Hunt

Christof Koch

on June 17, 2015

Nature journal 2014 - microsound phase wavelength with ultrasound frequency is natural sweet spot for quantum healing at distance



noncommutative time-frequency as non-local proto-consciousness

Specifically, William Tiller's "Reciprocal sub-space" (where magnetic currents might travel faster than the speed of light) could perhaps logically be well-described by taking the reciprocal of each of the conventional four dimensions, much as Rauscher and Targ have proposed for explaining precognition. And because the *reciprocal* of time t is $1/t$, which in common physics we recognize as Frequency, Schild renames Tiller's "reciprocal subspace" as "Frequency sub-spacetime".

[Non-Locality, Cognition, and Cosmic Structures](#)



Secrets of Yuan Qi (female formless awareness) as the movement of non-doing of Yuan Shen

>When t'ai chi is at rest, yang and yin are united;
when t'ai chi is in motion, the two opposing forces separate. Herein
lies the secret of immortality.

The Magus of Java: Teachings of an Authentic Taoist Immortal (on John Chang).

"The whole process is ruled by Spirit....It's movement in 'non-doing' is called Original Spirit." Wang Mu, *Foundations of Internal Alchemy*.

The primal qi (li yuanqi)formless

"Since is it the undivided yin-yang it is called the One Vitality."

The standard translation "the ultimate nonbeing" (Chan, 1963; Neville 1980) or "Ultimate of Nonbeing" (Zhang, 2002) has actually reversed the Chinese word order, and renders it as *jiwu* - the ultimate *wu*.

[Neo-Confucianism: Metaphysics, Mind, and Morality](#)

[JeeLoo Liu](#)

John Wiley & Sons, May 19, 2017

When Chaos was dark, <>the yin-yang air was undivided;

In this more advanced practice, both agonist and antagonist contract simultaneously - the first isototonically in shortening, and the latter eccentrically in lengthening, in effect they work against each other and create a dynamic tension between the paired muscles.

internal oppositional exertion....is more than anything a mental shift in awareness....such omni-directional mutually cancelling efforts engage the connective tissue web continually, they increase the elastic strength of the frame even while an external observer discerns no apparent movement.

Citing the book

Masters of Perception: Sensory-Motor Integration in the Internal Martial Arts.

by Jan Dipersloot

Vol. 3, 2013.



Contrary to the claims of Jan Irvin on the Trivium: The true meaning of Logos is Pythagorean alchemy

From my University of Minnesota 2000, master's thesis, *Epicenters of Justice: Sound-current nondualism, music theory and radical ecology.*

"The first four divine number ratios (1, 1:2, 2:3, 3:4), equivalent to the vital energy of Taoist qi gong, are considered the "seed of fire," the "creative essence," and "logos," by Pythagoreans."

citing Grandy, David. 1993.

The Musical Roots of Western Mathematics, Journal of Interdisciplinary Studies V (½): 3-24.

Jan Irvin incorrectly cited Freemason Albert Pike's book

Morals and Dogma:

page 861 [does not] proclaims the Royal Secret of the Sublime Prince is found in the understanding of the Pythagorean 5-4-3 right-angled triangle. Jan Irvin states:

Another curious artifact is found as the conclusion to Albert Pike's magnum opus, *Morals and Dogma*, where on page 861 he proclaims that the Royal Secret of the Sublime Prince is found in the understanding of the Pythagorean 5-3-4 right-angle triangle: The 5 representing the 5 senses, the 3 representing the Trivium (Grammar Logic Rhetoric), and the 4 representing the Quadrivium (Mathematics, Geometry, Music, Astronomy). It is in observing with our 5-senses, that we process this input using the Trivium, and quantify our reality using number in its many forms via the Quadrivium, as a measure of understanding.

The book is 861 pages long and that supposed proclamation does not exist. "The number 5 designated the universal quintessence, and Symbolized, by its form the vital essence, the animating spirit which flows [serpentat] through all nature." p. 377 *Morals and Dogma*. I can't find any mention of the number 5 as the five senses nor the 5:3:4 correlated with the Trivium and Quadrivium.

Jan gave me this quote as a response:

“In his lectures, Pythagoras taught the mathematics, as a medium whereby to prove the existence of God from observation and by means of reason; grammar, rhetoric, and logic, to cultivate and improve that reason, arithmetic, because he conceived that the ultimate benefit of man consisted in the science of numbers, and geometry, music, and astronomy, because he conceived that man is indebted to them for a knowledge of what is really good and useful. He taught the true method of obtaining a knowledge of the Divine laws of purifying the soul from its imperfections, of searching for truth, and of practicing virtue; thus imitating the perfections of God.”p. 243

But that quote does not refer to the Pythagorean triangle and it's not on page 861. Instead it's in a different, revised edition of fewer pages, 574. That same revised edition does give a reference to the Pythagorean triangle near the end of the Albert Pike book which states:

The base, measured by the number 3, represents the Diety and the Divine; the perpendicular measured by the number 4 represents the Earth, the Material, and the Human; the hypothenuse, measured by 5, represents that nature which is produced by the union of the Divine and Human, the Soul and the body;” p. 573 and then p. 574 the final page of that edition states:

As in each Triangle of Perfection....such is the true Royal Secret....

But again Albert Pike no where says that 5 is the 5 senses, etc. So Jan Irvin has incorrectly referenced Albert Pike. But Jan does get a reference to the 5-4-3 triangle with the royal secret as the final page of that edition! So that must be his original source - only misrepresented by Jan Irvin.

O.K. so my point is that actually the secret esoteric meaning of that is from music theory with the meaning of the Logos as the Tetrad or Tetraktys (τετρακτύς) 1:2:3:4 and it was extended by Archytas to 1:2:3:4:5. This was a lie spread by Plato and then spread through Europe by John Scotus Erigena and later by Marsilio Ficino and then the Freemasons.

“Any who doubt that the musical ratios are all of greater inequality, i.e., that the antecedent or first term in each is greater than the consequent or second term, should consult Archytas DK 47 B 2. This Fragment *requires* that the ratios be of this form if the assertions about the three means [arithmetic, harmonic and geometric] are to be true. Accordingly, the ratios assigned to the octave, fifth, fourth and minor sixth, must be 2:1, 3:2, 4:3 and 8:5, and not 1:2, 2:3, 3:4 and 5:8, respectively, as Mosshammer and others would have them.”

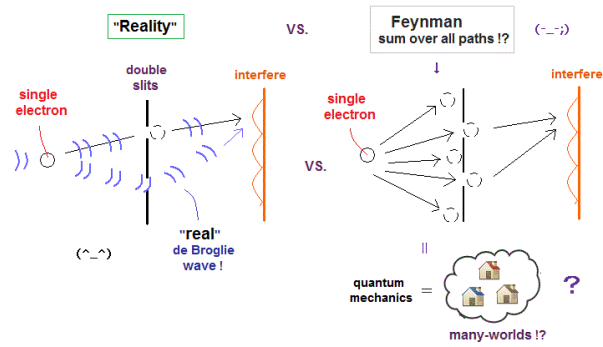
Alan C. Bowen, "The Minor Sixth (8:5) in Early Greek Harmonic Science," *The American Journal of Philology*, 1978.

As math professor Luigi Borzacchini states:

We can suppose that the *Quadrivium* in its earlier Pythagorean version did not know any discrete/continuous opposition.



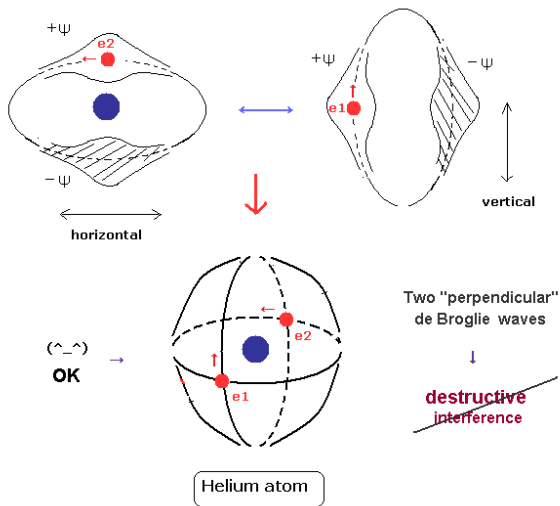
The only way to fix it is we admit some real "medium", which relativity rejected. Medium moving w



Truth of non-local reality from superluminal phase wave

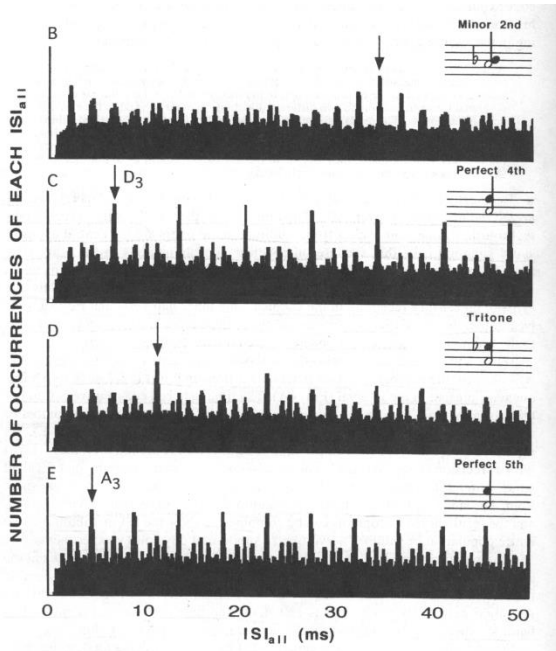


Perpendicular Phase so no destructive interference of opposite phase!



How de Broglie phase waves explain Pauli Exclusion Principle





Brain neurological synchronization amplitude strongest from Pythagorean Consonance



Quantum noncommutative phase secret of biology

The most frequently used intervals—the octave,

perfect 5th and 4th—correspond to those considered the most consonant by culturally diverse listeners (Bowling & Purves, 2015; Burns, 1999), an observation that is all the more impressive given that the frequency resolution of the human auditory system is sufficient to distinguish hundreds of unique intervals (Parncutt, 1989; Roederer, 2008).

[The Nature and Nurture of Musical Consonance \(PDF Download Available\).](#)

A biological rationale for musical consonance

The basis of musical consonance has been debated for centuries without resolution. Three interpretations have been considered: (i) that consonance derives from the mathematical simplicity of small integer ratios; (ii) that consonance derives from the physical absence of

interference between harmonic spectra; and (iii) that consonance derives from the advantages of recognizing biological vocalization and human vocalization in particular. Whereas the mathematical and physical explanations are at odds with the evidence that has now accumulated, biology provides a plausible explanation for this central issue in music and audition.

[A biological rationale for musical consonance \(PDF Download Available\).](#)

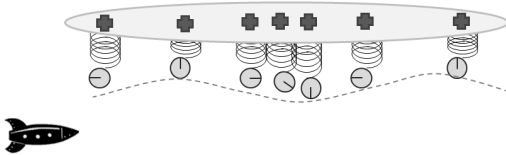
Finally, the importance of harmonics in tone perception is supported by auditory neurobiology. Electrophysiological experiments in monkeys show that some neurons in primary auditory cortex are driven not only by tones with fundamentals at the frequency to which an auditory neuron is most sensitive, but also by integer multiples and ratios of that frequency (38). Furthermore, when tested with two tones, many auditory neurons show stronger facilitation or inhibition when the tones are harmonically related. Finally, in regions bordering primary auditory cortex, neurons are found that

respond to both isolated fundamental frequencies and their associated harmonic series, even when the latter is presented without the fundamental (39). These experiments led Wang to propose that sensitivity to harmonic stimuli is an organizational principle of the auditory cortex in primates, with the connections of at least some auditory neurons determined by the harmonics of the frequency they respond to best (40).

[Biological rationale for musical consonance](#)



Louis de Broglie (de Brooy) Law of Phase Harmony



Infinite wavelength with superluminal phase (dotted wave) is relativistic from particle (disk) frame of no motion



Increased Pineal Gland Activation during Qigong Meditation Proven by fMRI!

Correlation between Pineal Activation and Religious Meditation Observed by Functional Magnetic Resonance Imaging

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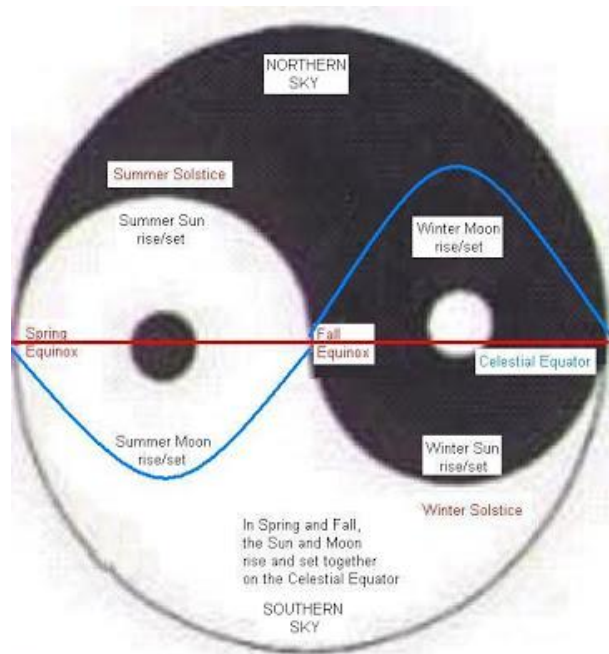
Nature Precedings : hdl:10101/npre.2007.1328.1 : Posted 15 Nov 2007

pineal body exhibit significant activation during meditation process,

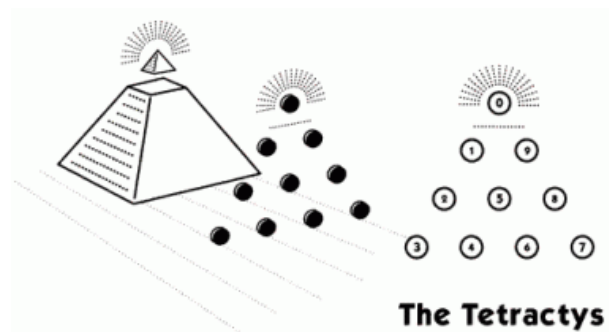
supporting the long lasting speculation that pineal plays an important role in the intrinsic awareness which might concern spirit or soul.

. In this study, we chose *Chinese Original Quiet Sitting*, one style of meditation, to explore this long lasting speculation by functional magnetic resonance imaging technique. Our results demonstrate a correlation between pineal activation and religious meditation which might have profound implications in physiological understanding of the intrinsic awareness.

pineal body was activated during the IPQ period. [Invitation of Primordial or Yuan Qi].



Natural Resonance Earth-Sun-Moon harmonics



Pythagorean Pyramid (creative Fire-Pyre) alchemy



Original Human tantric N/om kundalini healing secret

Dr. Keeney has written several amazing Bushmen healing books and Keeney emphasizes the key secret of the legs shaking at 7 beats per second from the trance dancing to induce the N/om energy along with listening to the high pitch female syncopated singing with the N/om energy strongest during the Full Moon. So the oldest spiritual trance dance healing ceremony of humanity, the Eland Bull ritual at first menstruation, is based on this tantric secret:

"...a 'new maiden' to be the source of n/um (or /k'ode), the healing potency associated with male trance healers"

p. 175 *Guenther, Mathias, Tricksters and Trancers: Bushman Religion and Society*,. Bloomington and Indianapolis, Indiana University Press, 1999

"The resurrection of Osiris through the assembly of his vertebrae by Isis....The raising of the djed column commemorates this, ...Christ's resurrection....king of the afterlife." p. 350, *Christ in Egypt: The Horus-Jesus Connection* by D.M. Murdock

" The American anthropologist Lorna Marshall who, together with her family, worked with !Kung Bushmen in the early 1950s, likened this potency to electricity: it is a power that can be harnessed for the good of humankind, but intense concentration, if allowed to get out of control, can kill people.

Supernatural power -and the dance that activates it - lies behind the rock paintings and engraving, for which the Bushmen are justly famous."

Dr. David Lewis-Williams, 1991 pdf

BUSHMEN, a changing way of life.

"You see spirits killing people. You smell burning, rotten flesh. Then you heal, you pull sickness out. You heal, heal, heal. Then you live."

Healing Makes the Heart Happy



Biophoton healing is real

Dr. Rajendra Bajpai goes into detail about the photomultiplier measuring parameters for the definition of consciousness - it is the spontaneous emission of coherent light waves. The photons are "squeezed light" meaning defined as quantum non-commutative time-frequency consciousness. Using his methodology Dr. Bajpai says he can actually measure how a healer transfers his coherent light to a patient and then the patient's light becomes coherent while the healer's light is now incoherent. Then the healer may take an hour or whatever to be able to "re-attune" their light. Dr. Bajpai says this method directly measures how we are all tuned to each other! EPA Van Wijk, R Van Wijk, RP Bajpai

Indian journal of experimental biology 46 (5), 345 [2008 pdf Quantum squeezed state analysis of spontaneous ultra weak light photon emission of practitioners of meditation and control subjects](#)

Research on human ultra-weak photon emission (UPE) has suggested a typical human emission anatomical distribution pattern. It was demonstrated that emissions are lower in long-term practitioners of meditation as compared to control subjects.

And to those who try to dismiss biophotons as just a chemical reaction of the body, Dr. Bajpai did an experiment with hydrogen peroxide to show the body reacts with a quantum coherent biophoton signal for an hour - and the signal would decay exponentially if it was just a classical chemical reaction but it remained a quantum coherent reaction for an hour. Dr. Bajpai says this is the body biophoton consciousness self-healing against the chemical invasion. So then Dr. Bajpai emphasizes that even

though this is just biophotons the information is entangled with the matter of the body and so even from a distance there is entanglement with the body. Dr. Bajpai is saying that biophoton harmonization of coherency is like then being a real oracle just like in ancient times whereas modern medicine that says just "cut out" the body part is more like witchcraft that is not as good as biophoton medicine. Then Dr. Bajpai points out that the biophoton field can be detected by living matter like fish eggs and frog eggs detecting each other. [[this study](#)]

An anonymous Daoist alchemy master said:

The Spirit of Heaven is issued from the Sun, the Spirit of Man is issued from the eyes. Wherever the eyes go, the Heart also goes.

Therefore when the alchemical masters sit to practice, they coagulate Spirit and stabilize breathing, press the tongue lightly against the upper palate, concentrate the Heart and the eyes inwardly, look down at their Cinnabar Field, and can rapidly enter the state of quiescence.

Certain meditative states characterized by a high degree of coherence in the EEG may well be accompanied by a high degree of coherence in the biophoton field [9],...Vertebrate neurons show typically filamentous mitochondria associated with the microtubules (MTs) of the cytoskeleton, forming together a continuous network (mitochondrial reticulum) [79]. The rapid movements of mitochondria are MT-based. ...Furthermore, MT [microtubule] polymerization is sensitive to UV [84] and blue light [59] and mitochondria are known to be sources of biophotons corresponding to the same wavelengths [8,34,98], which makes an immediate logical connection.... mitochondria emit light into MTs. ...When in coherent states, the biophotons are absorbed via biomolecules and when in the ground state, the biophotons are absorbed via the vacuum. In this model, the information can be restored from the vacuum, and conscious states can be repeated as before....biophotons can help MTs support coherent states....Very recently, Gardiner et al. [25] reviewed the evidence for neurotransmitters regulation (i.e. serotonin, melatonin, dopamine, glutamate, glycine, and acetylcholine) of the MT cytoskeleton. They postulated that MTs may play a direct role in propagating action potentials via conductance of electric current....When the eyes start to be opened, the incident numbers of photons into the eyes increases and according to the diagrams in Figures 4 and 6 the amplitudes [of Alpha-EEG] are reduced...this interaction is not only limited to the external incident photons with MTs....The argument for connection between Alpha-EEG diagrams and MTs [microtubules] activity is their similar behavior in increasing and decreasing of amplitudes of fluctuation function for MTs and potential difference in EEG in response to the intensity of photons. This similarity during opening and shutting of the eyes indicates a significant relation between the EEG diagrams and the fluctuation function.

[2010 pdf](#)

Increased photon emission from the head while imagining light in the dark is correlated with changes in electroencephalographic power: support for Bókkon's biophoton hypothesis.

Neurosci Lett. 2012 Apr 4; B T Dotta, K S Saroka, M A Persinger

Dotta, K S Saroka, M A Persinger. Increased photon emission from the head while imagining light in the dark is correlated with changes in electroencephalographic power: support for Bókkon's biophoton hypothesis. *Neurosci Lett.* 2012 Apr 4 ;513(2):151



entanglement as coherence healing

König uses Charon's model of electron black holes storing virtual photon information to explain homeopathy. So by shaking the medicine this creates electrostatic energy which gives off the photon information which is then stored in the electrons. So then even if the medicine is greatly reduced the virtual photon information is still stored in the electrons. He says the DNA has the job of distributing electromagnetic energy in the cell with 90% of the electromagnetic energy concentrated in the DNA in the center of the cell. The photons control the metabolic processes in the cell but the shell of the cell is like a guitar body - it resonates and amplifies the photon energy. The tune is called by the electrons which then emit and absorb the photons. This aligns with the Yuan Qi and Yuan Shen model also. I quoted Charon in my master's thesis: [here](#)

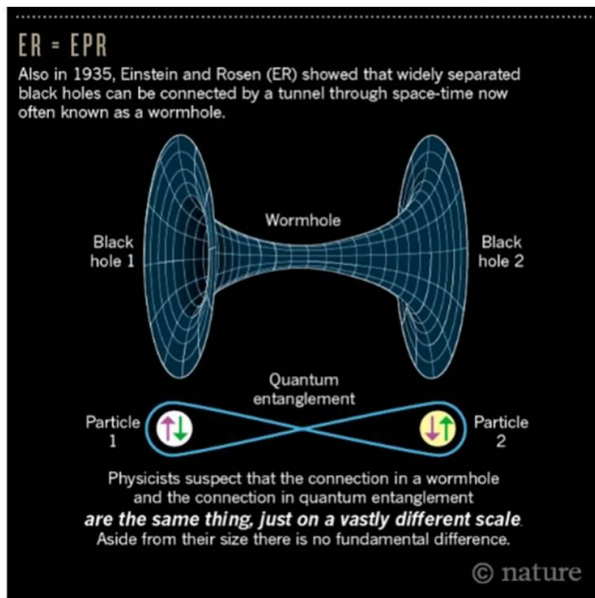
Both the electron and the black hole [i.e. extremely dense matter with zero beats] are characterized by totally curved space and by curved time. This means that the time of electrons and of black holes is opposite to our 'material' time, which moves on a straight line from past to present to future. This, in turn, may imply that if entropy grows in the 'material' world, then in the world of electrons (and black holes) precisely the opposite force might grow, the force of negentropy.



Virtual Phonons - secret of Yuan Qi energy

Fröhlich effect can also follow in the latter case with the pumping source being an antenna emitting ultrasound signals. A Davydov soliton, distinctly from the regular dispersive sound waves, travels long distances unaltered and nearly undamped, which can be of particular interest for improving detection in ultrasonography. An interesting additional complex behaviour follows, consisting in that when the soliton propagates with velocity larger than that of the group velocity of the normal vibrational modes, there follows a phenomenon akin to Cherenkov effect in radiation theory, namely a large emission of phonons in two symmetric cones centred on the soliton; this allows to interpret the so-called X-waves in ultrasonography as this Fröhlich-Cherenkov effect [[14](#),[15](#),[16](#)].

[Self-organizing Phonons as consciousness](#)



Tai Chi=ER=EPR=micro black hole=quantum entanglement wormhole



Pythagoras as Snake-master N/om energy

Chronos was the Orphic name for, according to Pythagoras, the serpent psyche of the Universe, derived from "Time Unbounded" in Iranian Zurvan philosophy - *Chronos Aion*. Aion was the "procreative fluid with which psyche was identified, the spinal marrow believed to take serpent form." (*Hamlet's Mill* citing Onians). The classicist Richard Broxton Onians documents the Pythagoreans defining [the heart as "the breath that was consciousness in the chest."](#)



Noncommutative Phase as secret original music healing

Biosonics focus on Nitric Oxide

as yin-yang Perfect 4th/5th music healing

[The Perfect 5th -Stress Reduction in Under 30 Seconds](#)

and [BioSonics, Stress Science, and Nitric Oxide1Literature Review pdf](#)

As arising from the Diapason or Tai Ch'i of the Wu Chi (the void), Beaulieu comments, "the fourth and fifth work together as yin and yang...The fifth and the fourth are the basis for the 1-4-5 chordal progressions found throughout music of all cultures."

John Beaulieu, *Music and Sound in the Healing Arts*, (Barrytown, NY: Station Hill Press, 1987) p. 47. While the chords are not inherently universal the intervals are



Conspirachi: Secret Daoist-Pythagorean Music origin

"harmonious sound is formless" (hesheng wu xiang) and "sound lacks constancy" (yinsheng wu chang), both of which point to two types of phenomena and both of which reveal Ji Kang's reverence for Daoist naturalism....

Thus, we see yet again in Ji Kang's thought an adherence to Daoist principles of universal harmony through quiet non-deliberation (wuwei) as seen in Laozi's notion that "the highest note cannot be heard" and Zhuangzi's preference for "patterning oneself after heaven."....

one could even argue that music is not comprised of sound at all, for if we are to follow the logic of Zhuangzi, all sounds are a form of natural music (breath) whose notation and composition lies beyond the comprehensive capacity of the human mind....Ji Kang believes that the five tones (wu yin) [from the Perfect Fifth/Fourth as yang/yin] came into being through the natural realm of heaven and earth and that there is one unchanging essence.

Musical Naturalism in the Thought of Ji Kang [David Chai 2009](#)

The Orphic Cosmic-Egg Snake is, according to the amazing book *The Origins of European Thought: About the Body, the Mind, the Soul, the World, Time, and Fate* by Richard Broxton Onians, Cambridge University Press, 1951: pp. 118-122 - Pythagorean alchemy secrets of the consciousness conspirachi from 5th C. BCE!

["begotten by a wind...a breath-soul...harmony...drawn from the whole body...gathers in the spinal marrow...most of it flows from the head...a Pythagorean quoted, 'that the](#)

seed....generative water of the marrow [aka cerebrospinal fluid].... that breathes through the reproductive organ.... is a drop of the brain containing in itself warm vapour....the union of the two serpents represent the life complete by the union of the male and female'.... (googlebook)



90% of our "external" perception is internally created

Center of Brain, I of the Vortex, 90% internal subjective information

But for each one of these fibers that go from the thalamus to the cortex, there are 10, or sometimes 99, that, from the cortex, return to the thalamus forming a spiral activity. It means that the external stimuli are only 1% or 10% of information that, like the sands, arrives from the objective - outer world - by senses while internal and subjective brain state is a vortex that contributes with 99% or 90% of brain information.

Dr. Rodolfo Llinas, *I of the Vortex*.

healthy dose of oxidised cholesterol (known as oxysterol) is indispensable in promoting the development of the human stem cells that make dopamine. [here](#)

So it is key to sublimate the lower body energy to increase the power of the mind: Increased cholesterol then increases testosterone, and increases adrenaline which increases dopamine, our willpower.

"The brain consumes a great amount of energy doing nothing. It's a great mystery of neuroscience," Kozloski told *PopSci*. He argued that around 90 percent of the energy used by the brain remained "unaccounted for".



Microsound phase is high pitch ringing as ultrasound healing

The researchers claim to have found a sweet spot in the 2-3 MHz range, [ultrasound] where the normally slower mechanical vibrations (usually associated with protein folding) of tubulin monomers and polymers overlapped with the typically higher intrinsic electromagnetic vibrations of the molecule. [Hidden information-processing networks in the skeleton of cells](#)

However, there are 30000 and above proteins working relentlessly in our body, the "common frequency point" [ultrasound] if it exists for all proteins, would open up a possibility to remotely cure diseases. [Nature 2014](#)

Monitoring neural vascular function with Doppler ultrasonic imaging provides unexpected support for the brain ultrasound demodulation theory. When the imaging beam was focused at the center of the brain, patients reported hearing a high audio sound, much like tinnitus. When the ultrasonic beam was directed at the ear, the sound disappeared. Setting the brain into resonance resulted in a clear high-pitch, audible sensation consistent with brain resonance in the 11- and 16- kHz range....Because ultrasound produces high audio stimulation by virtue of brain resonance, the direct use of high audio stimulation is more economical in power requirements and still stimulates the brain at resonance.

Dr. Martin L. Lenhardt, "Ultrasonic Hearing in Humans: Applications for Tinnitus Treatment," *International Tinnitus Journal*, Vol. 9, No. 2, 2003, p. 3 and p. 6.



Stereophonic hearing as quantum coherence

The clue to both binding and segmentation is in the accuracy of phase agreement of the spatially separated brain activities. That implies the nervous system (or the body field) can accurately detect phase, and is also able to control phase coherence. I have already alluded to the importance of phase information in coordinating limb movements during locomotion and other aspects of physiological functioning, so it is not surprising that the nervous system should be able to accurately detect phase. The degree of precision may be estimated by considering our ability to locate the source of a sound by stereophony. Some experimental findings show that the arrival times of sound pulses at the two ears can be discriminated with an accuracy of a very few microseconds [1]. For detecting a note in middle C, the phase difference in a microsecond is 4.4×10^{-4} . Accurate phase detection is characteristic of a system operating under quantum coherence. Could it be that phase detection is indeed a key feature of conscious experience?

Dr. Mae-Wan Ho

The wide range of frequencies in an organism is just fantastic. In my book, I say that it's like 70 doublings of the octave. I use the analogy of 'quantum jazz' to express the quantum coherence of the organism. It goes through a fantastic range of space and time scales, from the tiniest atom or subatomic particle to the whole organism and beyond. Organisms communicate with other organisms, and are attuned to natural rhythms, so they have circadian rhythms, annual rhythms, and so on. At the other extreme, you have very fast reactions that take place in femtoseconds. *And all these rhythms are coordinated*, there is evidence for that.... Imagine a *huge* jazz band of musicians making music, from very small instruments to the very large, playing very fast to very slow, with a musical range of 70 octaves. They are improvising from moment to moment, spontaneously and freely; and yet keeping in tune and in step with the whole. That is the ultimate quantum coherence....The fully quantum coherent state would be quantum coherence of n order, n being a very large number approaching infinity. This state is only reached rarely, perhaps once or twice in a life time, for some of us, or maybe not at all [nirvikalpa samadhi or the Taoist Emptiness as the Tai Chi]....I have no doubt that at least some of the more esoteric things people ascribe to quantum effects are real, such as instantaneous communication at a distance, remote healing, etc. But we can push the boundaries from the very conventional toward quantum coherence of the organism, to complete quantum coherence of the universe. I believe the universe is quantum coherent. Quantum coherence is everywhere. And if we know how to tune into it, we see it....It is like a symphony. I'm a Taoist at heart. And quantum coherence and Taoism are one because coherent action is effortless action. Quantum Jazz Biology interview with Dr. Mae-Wan Ho [June 2010](#)

In fact the quantum analysis has proven there has to be an mechanical amplifier in effect for hearing - and that "*any* model of the receptor cell must involve quantum coherence, and hence there is *no* consistent classical theory of hearing." [1985 quantum noise and the threshold of hearing.](#)



Noncommutative Phase as macroquantum resonance

Schrödinger suggested that life was based on a novel physical principle whereby its macroscopic order is a reflection of quantum-level order, rather than the molecular disorder that characterises the inanimate world. He called this new principle "order from order". But was he right?...Just as Schrödinger predicted, life seems to be balanced on the boundary between the sensible everyday world of the large and the

weird and wonderful quantum world, a discovery that is opening up an exciting new field of 21st-century science. [You're powered by quantum mechanics. No really... \(UK Guardian, Oct. 2014\)](#)

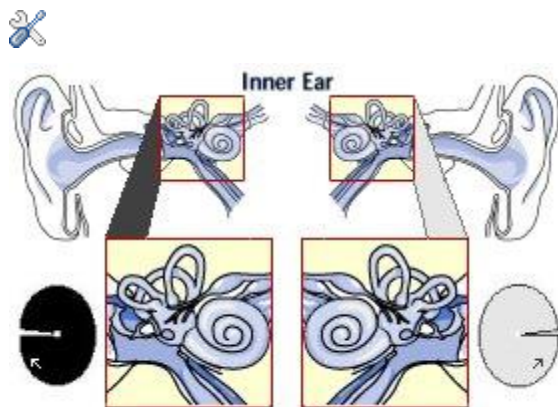
Once again we see Schrodinger's *order from order* capable of capturing quantum events, and what Jordan termed *amplification* of quantum phenomena into the macroscopic world. Life seems to bridge the quantum and classical worlds, perched on the quantum edge (p. 132)....If we return to our musical analogy one final time, with the guitar acting as the odorant molecule and the guitar strings as the molecular bonds that need to be plucked, then the receptors come in Eric Clapton or Jimi Hendrix forms. Both can play the same molecular notes, but right- or left-handed molecules have to be picked up by right- or left-handed receptors, just as right-handed guitars have to be played by right-handed guitarists....This combination of shape and quantum vibration recognition at last provides a model that fits nearly all experimental data. (pp. 163-4)

"As the light-matter coupling increases in time from zero into the [phase] $> c$ range, the system moves out of its frozen initial state....The intermediate regime is the only one in which non-linearities can develop significantly. High values of squeezing [noncommutative resonance] in both subsystems [light and matter] are then generated [20]....the enhanced entanglement regime (EER) begins to dominate the space of behaviors as opposed to being a small niche....We have then established the persistence of the EER for a wide range of system sizes and even under the effect of dissipation effects....We have provided theoretical insights of this phenomenon by means of a dynamical symmetry breaking and effective non-linear self-interactions." [pdf](#)

It is the secret origin of the Universe, as well. [Quantum entanglement Goldilocks Effect Sept. 2015](#)

It is the magic sauce, that connects all objects in the universe, including light and matter....Since it is a quantum phase transition that is being crossed, the structures that appear contain clumps of quantum entanglement.

"It is the magic sauce that connects together all objects in the [universe](#), including light and matter."



Inner Ear noncommutative phase as microsecond-ultrasound quantum consciousness



Noncommutativity is source of quantum non-local consciousness

"Non commutativity is the central mathematical concept expressing the uncertainty." [2012 pdf link](#) This number theory is the great [conundrum of trying to unify \("are we there yet?" googlebook link\)](#)

[noncommutative](#) quantum physics to relativity ([pdf link - "you can not visualize noncommutative spaces - you fundamentally cannot."](#)) but time-frequency uncertainty was already known to be noncommutative by the Pre-Socratics! This first music harmonic of the Pythagorean Perfect Fifth as 3/2 is actually noncommutative (C to G is 3/2 as the Perfect Fifth overtone while C to F is 2/3 as the Perfect Fifth subharmonic)

. As quantum consciousness neuroscientist Stuart Hameroff says, "[Change the Music.... Indeed, microtubule](#)

resonant vibrations have been likened to music, specifically anharmonic Indian Raga (Ghosh et al, 2014)....[As the Beatles sang, "Take a sad song and make it better".](#)"

"Bandyopadhyay and his team will couple microtubule vibrations from active neurons to play Indian musical instruments. Consciousness depends on anharmonic vibrations of microtubules inside neurons, similar to certain kinds of Indian music, but unlike Western music which is harmonic [commutative logarithmic]" Hameroff explains (Science News, 2014)



Can you Feel it? Flex it?



Conspirachi

The early Christians before 200 AD were known to practice a secret breathing together to tie them to the holy spirit, ["an exchange of breath or spirits" as Stephen Benko describes it in Pagan Rome and the Early Christians, googlebook review 1984](#)

Explicitly, corporeally, the central Christian celebration was understood as a co-breathing, a con-spiracy, the bringing about of a common atmosphere, a divine milieu...The shared breath,

the *con-spiratio*, are the "peace" understood as the community that arises from it.

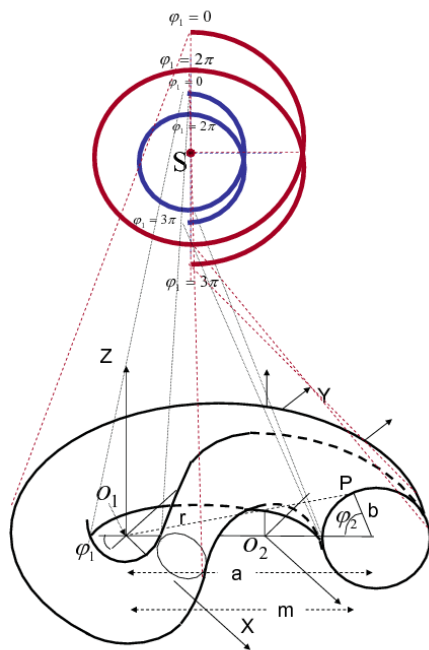
Professor Elaine Pagels documents in her best-seller *Beyond Belief* that the early gnostic Christians relied on meditation internal listening trance, the *Logos*, to see the light as the means to God. Pagel quotes Jesus in *The Gospel of Thomas*:

'There is light within a person of light, and it lights up the whole universe; if it does not shine, there is darkness.'



F.W. Schelling in 1809 wrote of the conspiracy of life and unity as a [secret breathing exercise wherein the body takes up a strong internal heat](#), while the formless void is contemplated. [The Conspiracy of Life: Meditations on Schelling and His Time by Jason Wirth 2012 googlebook review:](#)

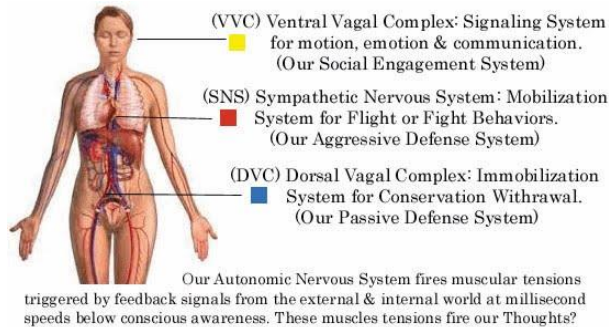
Schelling uses the Latin-German *Konspiration*, which stems from *conspiro*, to breathe or blow together. *Spiro*, to breathe, is related to *spiritus* (the German *Geist*), meaning spirit but also breath....The conspiracy is a simultaneous expiration and inspiration, and each thing of nature is both inspired yet expiring. This is what I call the conspiracy of life, that is life beyond and within life and death....Schelling's own discourse often sounded downright mystical. For example Schelling often spoke of the development of the 'spiritual eye' in a way almost reminiscent of the way that certain aspects of the [the Hindu tradition](#) spoke of opening one's third eye.



Gravitational Lensing is Klein Bottle as Tai Chi - from single light source



Secret of N/om, Kundalini original human energy



Deep right side reptilian unmyelinated vagus nerve from reproductive organs to right side of heart



Wang Liping on Daoist alchemy full lotus secret

There is a secret about sitting in lotus: the four bladder channels [they run on both sides of the spine] according to Chinese medicine cannot have an upward flow, but only when sitting in lotus all four channels should flow upward together, even one missing is not correct.

To practice *qinggong* (stillness), especially working on one's own nature, it is not an easy thing to learn. Sitting for one hour it is already hard to bear. While sitting the legs hurt, the lower basin should not open, if the lower basin is open the practitioner has no roots.

While sitting your guide [during seminars with WLP] might touch some [acupuncture] points on your back, this is beneficial and you should not move, don't watch back and turn your head to see. Since the openings of the liver are the eyes, the liver is the place where the spirit can be passed onto the spirit, so if we stare at it with attention it leaves from the eyes.



Soma as Moon secret

"Developing Tarpak Kapha, amrit or Soma is a way of gaining control of our own brain chemistry and promoting the secretion of positive chemicals and hormones that keep our nervous system calm and content....It is the Soma or watery counterpart of the third Eye that has a fiery or Agni nature. From the soft palate of the mouth one can experience a flow of nectar from the brain that will bring a sweet taste to the saliva." David Frawley, *Soma in Yoga and Ayurveda: The Power of Rejuvenation and Immortality*.



Listening is faster than Fourier Uncertainty: So noncommutative phase harmonics!

Let us draw up a fundamental vibration with its first and second harmonic overtones [1:2 and 2:3]....if we then shift the phase relationship, we get a totally different course of the combined curve; that is, of the pressure course

[amplitude and frequency] which is apparently effective in the final analysis. When looking at both curves, one might suppose that in the two cases we should hear two sounds that are just as different. But in fact our ear does not notice any difference. *biophysicist Vitus B. Dröscher states in his book, Magic of the Senses, p. 168*



Alchemy as complementary opposites reversal

Since alchemy is concerned in the first place with the inner lines of the trigrams Li [fire] and Kan [water], the paradox of reversal consists in considering Li as female, while logically it should be male because its

Yang-masculine lines are predominant. Analogously, Kan should be female, but is considered to be male. "The Sun is Li and belongs to Yang, and instead it is a girl. The Moon is Kan and belongs to Yin, and instead it is a boy. This is the reversal" (*Xiuzhen shishu* , 26.27a.)

[Isabelle Robinet confirms my alchemical discovery](#)

[Or alternatively as Eva Wong quotes The Triplex Unity](#), "the *male* of *kan* [water] is the *sun* and the *female* of *li* [fire] is the *moon*." Jeaneane D. Fowler, Shifu Keith Ewers describe this paradoxical transformation the best of any authors/teachers I've found on the interwebs: [The alchemical firing process from their book T'ai Chi Ch'üan: Harmonizing Taoist Belief and Practice](#)

The triagram *Li* is fire and predominantly *yang*, but the important middle line is *yin*, and so the Dragon is female. It is the *yin* essence in the *yang*, water in fire, the female in the male, the moon in the sun. It is referred to as Green Dragon....It is water that rises, being heated, and is therefore fiery but yielding, rising to Heaven.

The triagram *K'an/Kan* is Water and predominantly *yin* and female. But the middle line is *yang* and alchemically it is the *yang* in the *yin*, the White Tiger,its function is to descend to Earth when fire reacts with it. It is the fire in the water.

[Damo Mitchell](#)

In the alchemical process, the *yang* in the water is used to settle the *yin* in the fire: the water rises and the fire descends. Thus the solid *yang* line is taken out of the Water to replace the middle *yin* line in the Fire, thus producing Heaven.

This secret is so amazing but that's the only source I've seen describe the process succinctly and clearly - usually the steps described are not complete.





For males: Right hand yin, upper body yang; Left hand yang, lower body yin



Dirac Dance=Eddie Oshins noncommutative Neigong training=720 degree quantum spin



Life is Pumped Quantum Coherence

life has actually tuned itself to use thermal vibrations to 'pump' coherence, rather than disrupt it, which results in a phenomenon known as 'quantum beating'. This effect has been detected in bacterial light harvesting complexes and essentially represents a coherent superposition of electronic states, analogous to a nuclear wavepacket in the vibrational regimen. In essence, the energy in light can be harvested very efficiently and transferred using wavelike resonance. There is thus a 'goldilocks zone' to optimize efficiency; in effect, just the right amount of 'noise' can result in enhanced 'coherence' and

'tunnelling' due to stimulating particular vibrational modes in proteins—so called exciton-vibrational coupling (vibronic coupling)

macroquantum jing to qi to shen alchemy

Skulachev has suggested that fused mitochondria could act as 'power cables' [67]; it is thus interesting that Reynaud has shown that mitochondria can be made to fuse using electric fields in vitro [68]. This would be in keeping with the ideas of Fröhlich about energy transfer involving vibronic coupling, in particular, between mitochondria and microtubules [69].

Hence, both calorie restriction and increased metabolic demand would generate an adaptive response (hormetic trigger) to improve mitochondrial function. As the mitochondrial potential is restored, and mitochondrial mass and/or efficiency increased, quantum tunnelling would become more efficient and ATP levels re-established and ROS minimized.

This of course suggests a very tight relationship between mitochondrial function, quantum efficiency, inflammation and aging.

In summary, the central precept for this paper is that humans evolved in a quantum universe and that quantum effects are pivotal for optimal function.



Universe as a giant bell

As quantum cosmologist Dr. Neil Turok explains, when you analyze the amplitude (time-wavelength) of variation of temperature against "pitch" or energy-frequency scale of the whole Universe:

We literally see the universe as a giant bell - it struck at the big bang and everything is synchronized. ...The whole universe is as simple as the simplest atom....The universe we see doesn't distinguish between scales ...a wave that stretches right across the universe has the same strength as one a hundred times or a million times smaller. They're all the same. It's an unbelievable simple pattern that came out of the Big Bang....In fact it would be fair to say in physics everything is a wave....We've just put a paper out describing how a universe can bounce, it can contract with the light waves going down and bounce again....You'll remember that light doesn't have a scale. You see so whereas we would look at the Universe and say it's shrinking, in fact the light doesn't see the shrinking. It's due to the scale-independence of Maxwell's equations....which can be used to describe what happened at the Big Bang itself.

Oct. 7, 2015 lecture, "The Astonishing Simplicity of Everything"



Noncommutative Phase as the time-like 5th Dimension consciousness

the Fourier transform of its time dependence only involves those frequencies that could be observed in the quantum jumps of their radiation. ...Heisenberg realized that the non-commutativity implies the uncertainty principle....Thus, the uncertainty principle actually states a fundamental property of quantum systems, and is not a statement about the observational success of current technology."

It is an immediate consequence of the fact that all particles are quantum waves. The energy is given by the frequency multiplied by Planck's constant. The time depends on the frequency too; a very short-lived wave function, when analyzed mathematically (Fourier analysis) consists of many different frequencies. So accuracy in time implies inaccuracy in energy. The Fourier theorem is purely mathematical: $(\Delta 2\pi f)(\Delta t) > \frac{1}{2}$. Multiply both sides of this math equation by Planck's constant h and you get the Heisenberg equation, $(\Delta E)(\Delta t) > \hbar/2$.

force" as a fifth force

Are there inertia-free mechanisms? Yes—they are based on the laws of angular momentum and quantum phase dynamics. In this case, a final angular velocity of free precession occurs simultaneously with the application of a torque, and it does not depend on time explicitly. This is a consequence of the degeneracy of the rotational energy in the direction of the momentum. Thus, the direction of angular momentum or spin can be changed proportional to t , i.e., without inertia. A similar pattern holds for the quantum phase that is also not connected to particle energy.

Inertia-free are the most promising and often-discussed hypothetical molecular mechanisms of magnetoreception. They consider the influence of MF on (i) the rate of reactions that involve spin-correlated radical pairs [177, 178], (ii) quantum rotations of molecular groups inside proteins [179, 180]. Inertia-free are also mechanisms based on (iii) the local spin and structural ordering in liquid water [181]. A detailed analysis of these quantum mechanisms related to the Zeeman effect, as well as of many others, is presented in [18, 182].

[Biological Effects of Hypomagnetic Field](#)

Objects in biological cells that possess a precessing magnetic moment are unpaired electrons, paramagnetic ions, protons and other magnetic nuclei. Protein-bound ions and the rotations of molecular groups with a distributed electric charge may also have a virtual magnetic moment.



Pythagorean harmonics in ecology

Hermit Thrush bird “chooses” to sing in harmonic series

our findings add to a small but growing body of research showing that a preference for small-integer frequency ratios is not unique to humans.

the [natural number pentatonic gamelans as Deep Brain Activation \(pdf link\)](#).

[Indeed, the natural environment, such as tropical rain forests, usually contains sounds that are extremely rich in HFCs \[high frequency components\] over 100 kHz \[3\] \[ultrasound\]. From an anthropogenetic point of view, the sensory system of human beings exposed to a natural environment would stand a good chance of developing some physiological sensitivity to HFCs. We also found that some musical instruments, such as a gamelan of Bali, Indonesia, produce a significant number of HFCs over 100 kHz \[3\].](#)



Qigong Master Jim Nance: The Unconditional Love Hears You

“With one thought, you can stay focused on the thought. And you can pull Universal Energy into the thought. And you feel the energy in the room. You can feel the energy coming into the room. And as you do that, not only can you feel the energy coming into the room, but you can feel a dimensional shift in that process. Because the thought energy is very different than the physical material world. And if you bring the two together, o.k.? If you bring the two together, a dimension shifts. It shifts, because you are no longer in the same place you were in before. You create something new with the help of the Universe, you create something new.

It’s like when you’re not there at all, then you are in the Emptiness. Not there at all. You know, yeah. So anyway....The Unconditional Love hears you.”

[Qigong Master Jim Nance](#)

It’s easier to accept things in their natural flow

....I didn’t listen and so the Universe will say, “o.k. if you didn’t listen I’ll really show you why you should be doing this.”....The key is being open to listening, that’s the hardest thing. If you get five seconds of focus you’re doing something. You slow yourself down, to maintain your focus, breathing is an important part, if you can pull the visualization without losing the connection, then it’s much easier to shift the energy. If I inhale and exhale and be more objective, not so subjectively pulled into the experience, it would be like taking a snap-shot, looking at the snap-shot, keeping it steady while I was breathing. I could then keep my focus on something for an extended period of time. All I had to do was wait and the energy would shift on its own.

As Nada Yoga teaches, "the soundless sound, paranâda, whence arises the mantra Aum" out of the heart center.

On the Anahat or Unstruck Melody

The perceiver of this Primal Word gains access into Sach Khand (the Realm of Pure Consciousness or Primeval Sound) and does not have to come again into this mortal world [does not have to reincarnate]. When single-pointedness has been attained by diligent practice of Drishti yoga [Inner Sight, Inner Light Meditation] learnt from an accomplished Guru, a large variety of Sounds are heard within.

However, this calls for *intent, concentrated listening during meditation practice, keeping eyes, ears, and mouth all quiet. One Sound that is heard leads to another Sound, which, in turn, takes one ahead to yet another Sound.*

Thus, getting hold of several Sounds, one after another, one finally gets hold of the most captivating Quintessential Primordial Sound.

And, as even this Unstruck Melody is transcended, the Highest State, the Nameless [Anami], the Soundless State [Anadi, Pure or True State of God] is attained.

– Maharshi Mehi Paramhans, quoted in, *Yoga of Inner Light and Sound*, by Swami Achutanand, Translated into English by Pravesh K. Singh

Pankaj Kahyap [explains](#):

The general perception of a layman is that when we speak, sound comes from the throat. But what happens is when we have the urge or the thought to speak, our life force in the form of vaayu, starts from the root chakra and brings Paraa, the subtle sound, then travels up to the navel, heart chakras as Pasyanti and Madhyamaa respectively, then comes to the throat, mouth, teeth and tongue as Vaikhari to come out as speech or sound at the gross level. These four levels of sound correspond to four states of consciousness. Paraa represents the transcendental consciousness. Pasyanti represents the intellectual consciousness.

Madhyamaa represents the mental consciousness. And Vaikhari represents the physical consciousness.



Original Human Culture healing is source of spiritual alchemy training

“You see spirits killing people. You smell burning, rotten flesh. Then you heal, you pull sickness out. You heal, heal, heal. Then you live.”

Healing Makes the Heart Happy



Law of Phase harmony as alchemy

So we can say from the perspective of alchemy that Time is the Emptiness and Frequency is the Shen while Wavelength is the Jing and Momentum is the Qi. The “yuan qi” is then the momentum as inversely proportional to phase velocity that is the speed of light squared. The complementary opposites of time and frequency then reverse the entropy of jing and qi. If the light as shen or frequency is turned around then time is also turned around and you get negentropy instead of entropy. Jing is time as entropy but it can be turned around to change fate. This is the secret of putting the shen or frequency as the reverse direction to wavelength or jing as physical time. The result is the infinite quantum entanglement as the speed of light squared - the light turning itself around to create the phase velocity of speed of light squared as the “pilot wave.”

It’s a very simple equation that explains alchemy and Western science - Shen is to Emptiness as Qi is to Jing or Frequency is to Time as Momentum is to Wavelength.

then the proton-proton superconducting plasma is the Yuan Jing. The Yuan Qi is then the superluminal antigravity reversal of spacetime - the spin or backwards precession as a phonon “hidden momentum” energy that is also information - the formless awareness as information-energy that guides spacetime. The yin qi is then the ionized electrons themselves - separated out from the water in the micron-ultrasound electromagnetic resonance of the collagen microtubules of the mind-body. The Yuan Shen is then when the yin qi is built up enough that the Yuan Qi energy is activated from turning the light around - and so light can be seen externally outside the body. Whereas the light seen internally in the body is the “relative void” from the yin qi energy creating redox reactions of the mitochondria.



Qigong Master Effie P. Chow

I feel that the past, and the present and the future is all in one state. They're operating at different frequency levels. It isn't the past here, the present here and the future here. We are all at one state. The past, present and future are all here. That's why some people have deja vu....

– Qigong Grandmaster Effie P. Chow



Macroquantum resonance via ultrasound

>[Microtubule is six times bigger than single protein tubulin yet is 3000 times more electrically conductive than single tubulin protein](#)

Information for us is a time cycle that can be modeled in particular geometric shapes. It is all about one rhythmic vibration that arises through integration of geometries using 2,800 frequencies over 10^{20} Hz. Each vibration includes a “bing” moment (Hameroff’s metaphor for the moment of conscious awareness) and also a “silence” period. The “silence” contains the “phase”, and this holds the true information about the geometric shape of the particular time cycle. A band of frequencies always make a circular strip as it always vibrates periodically.

[Interview with Dr. Anirban Bandyopadhyay](#)



Tummo yoga Wim Hof breathing

However, in trained individuals epinephrine [adrenaline] levels were already profoundly increased 30 min after start of practicing the breathing techniques, ...the [Wim Hof breathing] techniques predominantly result in stimulation of the sympathetic input to the adrenal medulla, because this is the most abundant source of epinephrine[adrenaline] in the body....Epinephrine levels in trained individuals were

even higher than those reported in a recent study in which acute stress elicited by a bungee jump was found to suppress cytokine production by leukocytes...In conclusion, the present proof-of-principle study demonstrates that the sympathetic nervous system and immune system can be voluntarily influenced through practicing techniques that are relatively easy to learn within a short time frame.[Voluntary activation of the sympathetic nervous system and attenuation of the innate immune response in humans 2014 pdf](#)

The inhalation increases adrenaline via direct activation of the adrenal medullae - via deep breathing physical stimulation. This is a positive feedback to the pituitary and pineal gland that increases more adrenaline so that adrenaline levels double. The breath retention after exhale activates the vagus nerve that increases acetylcholine to pituitary to increase ACTH that suppresses any inflammation pain as chronic disease. So after the deep inhales, the increased pH levels enable holding the breath longer after exhale. There are more secrets to this training from Taoist philosophy - Wim Hof studied tummo of Tibetan - you can also do tai chi, etc.

Essentially like when you do horse stance, the legs shake 7 to 8 times per second and this causes an extreme sympathetic nervous system reaction as the deep inhalations, pushing the adrenaline to an extreme - and then it triggers a "parasympathetic rebound" which means you then flush the colon with serotonin and increased serotonin into the blood via the vagus nerve. So with increased oxygen to the mitochondria there is light as biophotons emitted into the serotonin which is an antioxidant - and so the

vagus nerve activation reduces inflammation. That is from the breath retention after exhale.

[Dr. Herbert Benson first documented Tibetan Tummo breathing is real!](#)

Documented in a 1985 study by Dr. Herbert Benson: The altitude was 15,000 feet and the temperatures reached zero degrees Fahrenheit as the Tibetan monks in the Himalayas slept, apparently comfortably, through the night. With as little insulation as a thin wool cloak and laying on the cold rock separated from one another, this should have killed the monks. But they were all fine and the cameras didn't even catch them shivering at any point. When they woke, they walked calmly back to their monastery, not seeming to notice the cold at all, unlike the scientists and camera crew who were all bundled up and freezing by morning.

magnetic resonance imaging scans of the monks brains while they meditate have shown "marked differences in blood flow to the entire brain", Benson explains. "At the same time, certain areas of the brain became more active, specifically those that control attention and autonomic functions like blood pressure and metabolism."

All three monks were able to achieve substantial temperature changes by at least 17 degrees in fingers and toes within minutes of beginning their meditation. At the same time their heart beat did not increase.

The authors said the most likely physiological mechanism was dilation of the blood vessels in the extremities. A decrease in oxygen consumption directly correlated with a decrease in metabolism rate. The results found that the participants significantly lowered their oxygen consumption during meditation, more so than through sleep. They were astonished to find that these monks could lower their metabolism by 64 percent. "It was an astounding, breathtaking [no pun intended] result," Benson exclaims. To put that decrease in perspective, metabolism, or oxygen consumption, drops only 10-15 percent in sleep and about 17 percent during simple meditation.

Increasing alpha wave activity, decreases in the rate of metabolism, oxygen consumption and blood lactate production are all measured, observed side effects of the relaxation response. Tibetan monks reportedly stopped their own heart beat or confined themselves in a steel metal box and continued to survive by slowing their oxygen intake to extreme rates. (p. 105,

The Relaxation Response

and 1982 report in the scientific journal

Nature

. The authors were Herbert Benson, John W. Lehmann, Mark D. Epstein of Harvard, Ralph F. Goldman of the Army Research Institute of Environmental Medicine, M.S. Malhotra of India's National Institute of Sports and Jeffrey Hopkins of the University of Virginia.

<http://relaxationresponse.org/>



Source of Noncommutative in quantum consciousness reality

the measurement changes the state which you have measured. This explains in a very straightforward sense why measuring B first and then A can lead to a different result than measuring A first and then B. Because there's always a back-reaction onto the system, depending on what you have measured.

[Dr. Harold Atmanspacher, 37 mns](#)

The "system" being measured is time itself as consciousness and so time is noncommutative to frequency. It's not just about "losing precision" between location position and momentum.

Something very interesting, and that brings in the Zeno Effect. The effect of the observations that takes place with these intervals, stabilizes the system, although its in an unstable state. The switching is a process that always destabilizes the system in that moment and leads back to the other state. The system is unstable but the effect of the observation is that the system is stabilized. The more often you observe, the smaller these intervals Δt [time] are, the longer will be the stable parts in these processes. In the end if you have Δt is zero then you would observe all the time, without any pause or interruption. Then the system would be frozen in one of the two representations. There is this saying, a watched pot never boils. Right? That's what happens here.

Actually Zeno argues, there is no flying arrow. The arrow is always at rest because at any time it is at one particular point in space. So this means it must be at rest and flight is an illusion.

1 hr into vid.

Check out Alain Connes - discrete mathematics is the foundation of the universe with continuous functions and relativity arising out of noncommutative harmonics - a spectral quantum sphere with a geometric dimension of zero. Roger Penrose is correct - the universe is not a computation or calculation - due to the inherent noncommutative, and therefore nonlocal phase of reality as the 5th dimension that is time-like. So this noncommutative phase is neither discrete nor continuous but both at the same time. Mathematics is left brain dominant which is also inherently tied to tool making as right-hand dominant. Frequency perception is right-brain dominant and so tied to reverse time as quantum negentropy that is superluminal noncommutative phase. Louis de Broglie figured this out when he critiqued relativity - his Law of Phase Harmony. Ecology is based on left-handed amino acids and so when we "turn the light around" we go back to time being zero which actually reveals the hidden momentum of light as "relative entropy" or phonon energy as negentropy. This is what the Taoists call "yuan qi" or in Vedic philosophy is the prana energy - the original human culture called it N/ω . So the left-brain dominant mathematics claims to be objective with 'symmetric' beauty of math but in fact the reality is noncommutative and so left-brain dominance is directly tied to a linear external perception of time based on logarithmic entropy that is destroying left-handed amino acid, right-brain dominant ecology of Earth.

Position and momentum are not discrete but uncertainty arises from the deeper noncommutative time-frequency energy resonance - before the classical observable measurement system. This is the Quantum Zeno Effect - when time is zero there is actually a bistable reverse time hidden momentum energy that is a novel self-force of quantum force energy.

It can be inferred that a stability of conformational states of waves is attained at a minimum energy, when the frequencies fit with the first harmonic (1:2), and fit somewhat lesser, but close to the second harmonic (2:3), and somewhat lesser with the third harmonic, etc. This means that the initial value problem can be solved....

"... tentatively designated as "Algorithm of Life". The particular spectrum of frequency bands indicate that nature seems to employ discrete eigenfrequencies or standing waves that match precisely with an acoustic scale, with frequency ratios of 1:2, and closely approximated by 2:3, 3:4, 3:5, 4:5 and higher partials, allowing the discrete frequencies to be expressed in scalars."

These frequency patterns, based on quantum transitions obey to frequency ratios of 1:2 and approximate partials of 2:3 (Geesnik and Meijer, 2016)...are responsible to stabilize cells or improve viability of cells....Based on the material presented in the present paper, the following novel axiom/biological principle might be at stake: nature makes use of a specific set of eigenfrequencies of electromagnetic waves as well as of quantum states, that exhibit frequency ratios of 1:2, and closely approximate 2:3 and 3:4 and higher partials, that can be expressed in scalars.

Phonon Guided Biology. Architecture of Life and Conscious Perception Are Mediated by Toroidal Coupling of Phonon, Photon and Electron Information Fluxes at Discrete Eigenfrequencies pdf December 2016



Yale Professor Ian Quinn gives a music, math lecture.

[He is ignoring the secret](#) that $2/3$ is NOT allowed by Western harmonics since it is noncommutative, as C to F, subharmonic. So then $4/3$ as C to F is also not a natural harmonic since the denominator 3 is not a multiple harmonic of 1. Since 2 does not divide into 3 then the empirically true harmonics are infinite as the infinite spiral of fifths that are noncommutative - this is the secret of real Pythagorean harmonics, called the Tetrad or Tetraktys. The rest of the harmonics are just b.s. based on Archytas - and this professor actually promotes Archytas music from divide and average harmonics with $9/8$ cubed as the square root of 2 as the secret source of the Pythagorean Theorem from the tritone.

So for Archytas - he mentions at 29 minutes - the equation had to be $3/2 \times 4/3 = 2$ which is arithmetic mean \times harmonic mean = geometric mean squared. That was the first logarithmic equation of Perfect Fifth plus Perfect Fourth = Octave. But it's a lie - as he points out the 12 octaves of the fifths don't line up with the actual octaves based on 2 - as the Pythagorean Comma. but that doesn't matter - unless you are trying to make an instrument with polyphonic harmonics. Orthodox Pythagorean harmonics only used the Octave, Perfect Fifth and Perfect Fourth - as infinite energy resonance and included 5 years of silent meditation as internal listening. Real music is infinite noncommutative resonance. It is not based on polyphonic harmonics but rather on the "three gunas" of Indian tuning or the Yin-yang-Emptiness of Taoism - they are also derived from the Octave-Perfect Fifth/Perfect Fourth. It's proven in neuroscience that the Perfect Fifth/Octave/Perfect Fourth have the strongest amplitude resonance in the brain neuron synchronizations. Also it's now proven that this natural tuning is not limited to humans! So sound is not dependent on a string or tube - we LISTEN to sound - and so he plays an extended natural number scale and says it is not harmonic or not - but that is not the point. The point is infinite energy resonance as the empirical truth of reality. Fields Medal math professor Alain Connes recognizes this noncommutative truth of music infinite spiral of fifths as a "universal scaling system" that has a geometric dimension of zero but is a quantum sphere that creates gravity and all the particles of mass.

[So then in this 2nd lecture Professor Quinn](#) (who is about the same age as me) points out that below 80 beats per minute, our brain can not easily detect a rhythm so that our brain then subdivides the beat into 4. So this explains the secret of the Mozart Effect - from 60 bpm slow middle movements, that then increases the alpha brain waves as 15 hertz. Professor Quinn pooh-poohs the Mozart Effect but I got an EEG after my intensive music training, and memorizing the 2nd movement of Bach's Italian Concerto in F Major - and the nurse exclaimed in shock at how strong my alpha brain waves were! At the time I had no idea why but now I know.

Geometric mean = alogon as irrational number.

$9/8$ cubed = square root of two = Devil's Interval tritone

$5/4 = \text{cube root of two}$

$3/2 \text{ squared} = 9/4 \text{ halved into octave as } 9/8.$

$3/2 \times 4/3 = 2$ (geometric mean squared).

$\log(3:2 \times 4:3) = \log(2:1)$

$\log(3:2) + \log(4:3) = \log(2:1)$

Math professor Luigi Borzacchini called this cover-up by Plato and Archytas, “shocking” and “really astonishing” and the new alogon-based math created a “deep preestablished disharmony” that guides the evolution of Western science.

Simon Stevin in the 16th C. Renaissance rediscovered Archytas $5/4$, cube root of 2 secret, as the foundation for logarithmic equal-tempered tuning. 1605, referring to his French work on arithmetic (1585, this ed. Vol. II B) where he had shown that the requirement of twelve equal ratios leading from 2 to 1 involves the twelfth root of 2. (unpublished until the 20th C.).

The

secret of the sect music equation

for the compounding proportions of the sidelengths is this:

$A:X::X:Y::Y:2A = 1:5/4::5/4:8/5::8/5:2.$

Euler gave Mendelssohn Mose the idea of using the ancient Delian combining problem of doubling the cube from Archytas to question and solve the equal temperament tuning.

A surviving fragment of the work of Archytas of Tarentum (ca. 350 BC) states, “There are three means in music: one is the arithmetic, the second is the geometric, and the third is the subcontrary, which they call harmonic” [7]. The term subcontrary may refer to the fact that a tone based on this mean reverses the order of the two fundamental musical intervals in a scale. It is believed that Archytas or one of his contemporaries gave the name “harmonic”

to the subcontrary mean because....[cover up of the noncommutative “bait and switch”].



Druze secretly are Pythagoreans!

Or the Druze who dwell among the cedars of Lebanon, the secrets of their faith preserved for initiates and the mystical *gematria* of their divine mathematics traceable to Pythagoras whom they revere as a prophet.

[The Great God Pan still lives](#)



Dr. Irena Cosic Resonant Recognition Model

Along those lines, the results from our acupuncture meridian and EEG activity studies have shown that frequencies between 8.8 and 13.2Hz, which fall within range of the Schumann Resonance, mainly correlate with analysed human electrophysiological signals. The results from our acupuncture meridians and EEG activity studies confirm that the human body absorbs, detects and responds to ELF environmental electromagnetic signals, as presented in Figure 1

Furthermore, it has been shown that interacting proteins and their targets share the same characteristic frequency, but have opposite phase at characteristic frequency [5,6,14]. Thus, it has been proposed that the RRM frequencies characterize, not only a general function, but also a recognition and interaction between the particular macromolecule and its target, which then can be considered to be resonant recognition.

[Tesla, Bioresonances and Resonant Recognition Model.](#)

Recent experimental testing by Benford et al. observed a uniform, substantial, and consistent decrease in gamma radiation during alternative healing sessions, thus supporting a new energy-balance paradigm hypothesizing ionizing radiation as an alternative cellular energy source.

[gamma radiation potassium healing](#)

Absorption of Gamma Radiation as a Possible Mechanism for Bigu: Theory and Data Gary E. Schwartz Bulletin of Science, Technology & Society, October 2002; vol. 22, 5: pp. 371-373.

In the U.S. report 'Defense Intelligence Agency document: Controlled Offensive Behaviour - USSR, July 1972' it is stated that in 1967 the USSR had more than 20 centers for the study of paranormal phenomena, with a budget of \$21 million.

The Holy Science by Swami Sri Yukteswar, 1949

(Meditation on)

pranava

, the divine sound of *Aum*, is the only way to Brahman (Spirit), salvation....This Holy Sound

Pranava Sabda manifests spontaneously through culture of *Sraddha*, the energetic tendency of the heart's natural love; *Virya*, moral courage; *Smiriti*, true conception; and *Samadhi*, true concentration. pp 55-6.

When man direct all his organs of sense toward their common center.... and hears the peculiar "knocking" sound, *Pranava Sabda*, the Word of God. p. 75

and hears the holy Sound (*Amen, Aum*) like a stream or river; and being absorbed or baptized in it, begins to move back toward his Divinity....p. 80

By culture of regulation of the breath as directed by the Spiritual Preceptor (*Sat-Guru*), the holy Word (*Pranava* or *Sabda*) spontaneously appears and becomes audible. When this mantra (Word, *Pranava*) appears, the breath becomes regulated and checks the decay of the material body. This

Pranava

appears in different forms at different stages of advancement, according to the purification of the heart (*Chitta*). p. 88

The Huainanzi [2nd C. BCE] provides the earliest interpretation,

“Dao begins with oneness. Oneness alone, however, does not give birth. Therefore, it divided into yin and yang. From the harmonious union of yin and yang, the myriad beings were given birth” (3.28; Major et al. 2010, 133).

Daoism Excavated: Cosmos and Humanity in Early Manuscripts pdf

by WANG Zhongjiang 2015

I give a simple explanation of the music harmonics here as complementary opposite yin and yang resonance - noncommutative

“In listening to music, one is therefore perceiving an implicate order.” Quantum physicist David Bohm,

“We seem virtually forced to view music in a similar fashion that is to say as the outward expression of more fundamental phenomena occurring at deep levels of the mind, or of consciousness.” Quantum physicist Brian Josephson

I believe that all people are in possession of what might be called a “universal music mind.” Bill Evans, Jazz Pianist for Miles Davis 1959, *Kind of Blue*



Puharichs research was "greatly underappreciated" Dr. Michael Persinger's email to me, circa 2006

[Dr Michael Persinger @drpersinger 30 Jun 2014](#)

When Sean Harribance experiences others’ memories his cerebral microstates are changing around 7.3 Hz

Ingo Swann’s most accurate drawings during remote viewing occurred during 7 Hz paroxysmal activity over his right temporooccipital lobe

[Normal people do not hear “the whisper” of static atmospheric](#) In addition it is not unusual for dipole dipole coupling between protons to range between 5 Hz and 25 Hz which overlaps with the primary power density of cerebral activity as well as the amplitude fluctuation of photon flux densities from non-neural cells when exposed to weak (microTesla) magnetic fields.

The product of the magnetic field equivalent of a photon’s rest energy and magnetic moment (10^{-44} Am^2) is the rest energy of a graviton

[Andrija Puharich:](#)

I find that a magnetic basis for matter, as proposed by Schwinger, is required in order to explain 1-amino acid molecular asymmetry of life processes operating through proton magnetic asymmetry.

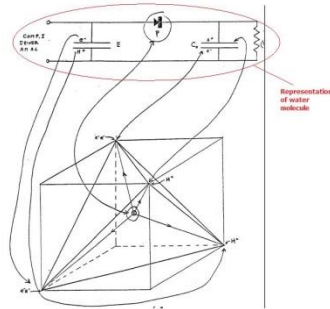
I believe that if the proton-proton spin coupling exists in DBP [direct brain perception] it should be possible to shield a sender from a receiver in a telepathy experiment.



CIA mind control scientist Dr. Andrija Puharich

TABLE 2.
PRINCIPAL PHASER PARAMETRIC HARMONICS
INVOLVED IN SPLITTING THE WATER MOLECULE

FREQUENCY, Hz	TARGET
0.125 Hz (1)	PROTON, H ₂ O
$0.125 \text{ Hz} \times 793.726 \text{ MHz} = 99.213 \text{ MHz}$	
$0.125 \times 2^{10} \times 9^3 \text{ Hz}$ (2)	PHONON-HYDRON = ν_{H} (COMMUNICATING STATE)
$2^8 \times 2^{(10^3)} \times 9^3 \text{ Hz}$ (3)	ELECTRON (ELECTROLYTIC STATE)
$3 \times 10^{18} \text{ Hz}$ TO $4 \times 10^{18} \text{ Hz}$	PROTONS - 23 (OXYGEN)
$8 \times 10^{18} \text{ Hz}$ TO $3 \times 10^{19} \text{ Hz}$	PROTONS - 07 (OXYGEN, H ₂ O, H ₂ O ₂)



Phonon-Hydron 8 hertz ELF subharmonic of ultrasound



Phase velocity difference between proton and electron as reverse entropy magnetic moment

1/0.125 is the phase velocity difference between the velocities of the orbits of the proton vs. the electron.

The angular momentum of the electron stays the same but the magnetic momentum between the proton and electron can vastly increase.

CIA mind control scientist Dr. Andrija Puharich, *Beyond Telepathy*, (1973) discoverer of Phonon-Hydron Psi-Plasma paranormal proto-consciousness of the Universe.

The circuit he used for mind control hearing is the same circuit used for his water splitting device.

1/.125 = 8 Hertz ELF subharmonic of the ultrasound splitting of water.

phonon vibrations....the precession of the proton in water....the end product is to stimulate the emission of photons.

Thus the head neurons see the following signal: 20 KHz [ultrasound] + 100 Hz [ELF] = 20,100 Hz:20 KHz - 100 Hz = 19,900 Hz. The 20,100 Hz and the 19,900 Hz beat against the center frequency of 20,000 Hz and the result is the deaf person "hears" 100 Hz. Certain proton nuclear ELF magnetic resonant (NMR) signals in the nervous system may be of this nature where the actual perceived signal may be a side-band signal....These side-bands are due to ELF proton-proton spin couplings. Such proton-proton spin couplings may have great importance in memory induction.... The effects all add up to a phonon-pumping mechanism working on the unit hydron. We would expect that the end product of this action (before splitting of the water molecule occurs) is to stimulate the emission of photons, or the true PHASER effect....It is known there is a spin/spin: proton/proton magnetic coupling of 8 Hz which is a fundamental constant.

spontaneous cancer cures by reversing the flow of electrons in the mitochondrial terminal respiratory chain, and thereby produce more oxygen to combat the cancer process...increased oxygen would pull the proton/proton spin/spin coupling closer to the 8 Hz normative center frequency of biological systems....to reverse the electron flow of the mitochondria by changing one of the heme molecules into a chlorophyll type of molecule. The purpose of nature in this electron flow reversal is to electrolyze water in order to produce more oxygen to swing the local ELF frequency toward 8 Hz using both the Kervan nuclear transmutation mechanism and the known effect of oxygen to lower the NMR spin-spin

coupling....phase coherence in the spin....has the uncanny property of...reversing...to cause the time flow backwards, in other words reverse the flow of electrons in time, as positron...

See Abraham, R.J. and Loftus, P.

Proton and Carbon-13 NMR Spectroscopy Table 3.1, p. 41, Table 3.5, p. 46. Heyden & Sons, Ltd. London 1981.



Stuart Hameroff: Simultaneous curvature of both spacetimes from Roger Penrose

[Amazing new podcast interview with Dr. Stuart Hameroff:](#)

Kicks in around 45 minutes.

Roger Penrose says a particle is in two places at the same time because of curvature of spacetime going in two different directions at the same time!

In other words: Noncommutative phase as the secret of quantum non-locality proto-consciousness.

We know it [spacetime] goes down to the Planck's scale...Roger is probably the world's expert on what that is....but whatever it is it has curvature to it. To bring together quantum mechanics and quantum superposition....Well first of all 4 dimensional spacetime is too hard to imagine....So imagine taking 3 dimensions of space and condensing it to one just for arguments sake and then time on the other axis.

...

A mass or particle would be a curvature in one direction, if you will. If that same particle, if it was in a different location, would be a curvature in another direction. So a particle in two places at once, is basically, simultaneously curvature of both spacetimes.

These separations of the structure of the universe were unstable...given by the uncertainty principle, at time t , would reduce, undergo reduction at the subjective threshold, hence Orchestrated reduction.

When that happens, every time it happens, a moment of consciousness occurs. He [Penrose] was saying Collapse causes consciousness. Collapse spontaneously causes consciousness.



Piet the Poet Compiles Caboodle



Erik Verlinde on the Holographic Entanglement Entropy Dark Universe

This allows you to send information to the boundary. In the ground state spacetime is sort of a perfect conductor of quantum information. Any quantum information can be pushed to the boundary and this is what explains holography.

[Gravity is emergent as a cone \(Full Lotus pyramid tetrahedron\) from quantum entanglement entropy information \(noncommutative\).](#)

ER=EPR [entanglement=worm holes] is not just for black holes, it is the origin of spacetime.

[Matter is entropy in the volume.](#)

The presence of matter-energy within a space-time volume w/ a decrease in the value of these 'volume entropy' terms within it. The 2nd Law of Thermodynamics then requires this loss of entropy be balanced (or over-balanced) by a compensatory growth of entropy on the horizon, ... modeled well in the same way solid state physics models stresses & displacements on a chunk of material.

["Nature itself is the fastest calculator," he said.](#) The notion that a "Matrix"-like machine might be running the show behind the scenes may seem a little out there, but the idea can be seen as part of a larger trend that treats information as a physical quantity, on par with mass and charge. This is not information as most people define it, but rather a kind of entropy (often called Shannon entropy) in which different quantum degrees of freedom are thought of as bits. These bits are an important element in black hole studies, where a major concern is the fate of information that falls into a black hole. Erik Verlinde from the University of Amsterdam has taken the information-black hole connection and effectively turned it around to re-define gravity. He claims that gravity is not a real force, but merely emerges from thermodynamic principles: two masses attract because their infall increases the information entropy. At the conference, Verlinde showed that this entropic force becomes stronger at galactic scales



Sir John Pendry on Singularities in Structures as Energy Harvesting

So I think you can see a pattern emerging here. Whenever you get something that isn't continuous...like a sharp edge, or where two spheres touch one another, or a crescent...Whenever you have a singularity in a structure, with that singularity is usually associated a harvesting point....resonance as a huge enhancement of energy.

[asymmetric geometric reverse time-frequency energy harvesting of light.](#)

video lecture on subwavelength light harvesting as reverse time or negative refractive singularity -

So you harvest broadband light (high frequency) to a zero point as reverse time (high intensity) so that velocity slows down, with density as amplitude squared going to infinity. The wavelength structure enhances the energy by 10,000 times. This is de Broglie's Law of Phase Harmony engineered into light harvesting from reverse time due to subwavelength singularity structures.



Vagus nerve Potassium Qi-Prana electromagnetic universal communication

Bacteria could thus use potassium to speak not just with one another but with other life-forms, including perhaps humans, as Lockless speculated in [a commentary to Süel's 2015 paper.](#) Research has suggested that bacteria can affect their hosts' appetite or mood; perhaps potassium channels help provide that inter-kingdom communication channel.

It has been hypothesized that the body's primary gamma emitter, potassium-40 (K40), represents a "self-regulation" of energy within the body and the surrounding electromagnetic field.²⁴ The body's energy adjustment may result, in part, from the increased electromagnetic fields surrounding the hands of the healers. [Weiqigong](#)

Potassium has the same effect as lecithin, lecithin as the vagus (parasympathetic), and the vagus, finally, as pleasurable excitation, swelling, turgor, increased surface tension, and as was recently shown, electrical charge.

Wilhelm Reich, *Bion Experiments*, 1938 in German, published in English, first time, 2013.

The Spiritual Anatomy of Emotion: How Feelings Link the Brain, the Body, and the Sixth Sense

Ninety-five percent of the body's serotonin is manufactured in the bowel from whence it travels to the head....Assisting in the dialog is the vagus nerve. The fact that 95 percent of its fibers run from the gut northwards....shouldn't be surprising when one realizes that both the gut and the brain originate, during fetal development, from the

same clump of cells.

p. 58,

Michael A. Jawer

In fact, two males demonstrated "emissions" of gamma rays during the therapy sessions. This may be due, in part, to variations in lean body mass which contains the body's primary gamma emitter, Potassium-40 (K40). This has also been hypothesized to represent a "self-regulation" of energy within the body and the surrounding electromagnetic field.^{4,5}

[Torsion spin energy healing changes mass as well](#)



Pythagoras Theorem in Noncommutative Geometry

Entanglement is an exclusive property of noncommutative...quantum systems.

[Pythagoras Theorem in Noncommutative Geometry pdf](#)



Dr. Stephen Porges, new interview on polyvagal therapy

Involuntary Immobilization is NOT complicity!

[vid interview](#)

The right side vagus nerve is the "below the diaphragm" functioning of organs, but also kicks in as the reptilian "freeze" reaction to extreme stress situations.

When in a context of safety, this deep reproductive right side vagus nerve can be harnessed to develop healing energy. [Lecture](#)

So how do we recruit it [right side unmyelinated vagus nerve] NOT in defense, and that's what we call intimacy. The right side of the brain is always dominant in the regulation of autonomic function, and thus, emotion. [His book](#). So we are actually using those areas of the body, sub-diaphragmatic, so we are making intonations of voice as gentle caress....If they break face to face contact, they can get hurt. [by

people who due to trauma, don't do the mammalian left-side vagus nerve happy facial expressions, as inhibition of the sympathetic fight-flight-ejaculation] If we retract this mammalian left-side vagus nerve system we become hypersensitive to sounds but we can't understand human speech (based on flexing the middle ear for higher frequency musical intonation as emotion). The middle ear muscles dampen low frequency predator sounds - in safe environments - and we can then process human voice with playful open eyes as social engagement.

[Dr. Stephen Porges:](#)

If you were to find a fossil, how would you know that fossil is a mammal, ...by having detached inner ear bones, being able to detect acoustic higher frequency sounds, air-borne. If the bones were NOT detached they would still be stuck to the jaw bone; to hear sounds you would have bone conduction at low frequency, rumbles, this is how reptiles hear. ...

The middle ear muscles enable mammals to communicate at a frequency that is not detectable by reptiles - the high pitch squeals of danger... the tension to the middle ear muscles is reduced, if someone is anger or scared....the upper part of the face loses the exuberance, the playfulness, the muscle around the eye goes flat. their neurotone to the middle ear structure is also getting reduce. Now they can hear rumble or predator low frequency sounds but not understand human voice. the person can hear literally what you are saying. They are having difficulty understanding. When people are having arguments, it's very questionable whether they can even process what you are saying.

The survival of mammals was due to cooperation. People have misinterpreted Darwin. The neuromyelinated vagus [left side] supports the restoration and growth of mammals. The newer vagus, when functionally working, allows the other [sympathetic and unmyelinated older right side vagus] to function properly. The sympathetic nervous system activated for fight/flight for chronic defense then inhibits the right-side unmyelinated vagus nerve (causing constipation).

The challenges to the physiology creates a neural exercise.

It's not the words, the syntax, but rather it's the body's response to the vocal intonation and intention of the words. Motherese, playful voice is a biological imperative to regulate each others physiology.

Loss of blood flow to the peripheral muscles, causes trauma as shaking or trembling reaction - the extreme sympathetic nervous fight-flight response.

The training separates the physiology of the tremor and shaking from the emotional trauma - thereby having the bodily feeling the same in a safe context and so dis-empowering the trauma.

The vagal break [turning off the sympathetic] is a hierarchical inhibitory action of the sympathetic fight/flight via the left-side vagus nerve - it becomes potentiated during slow exhalations.

If you extend the duration of your phrases when you're talking then you extend the duration of your exhalation. Or singing. Gibberish is insightful because it's all about intonation, it's all about sound.

Is body contact now adversive? Is it too dangerous for me to be around you? The ontogeny, the development of safety or danger in how our body's respond is totally profound in our relationships evolve or deteriorate. It's really whether do you feel comfortable, it's not about words.

Huffing and Puffing is extending the duration of inhalation to get mobilized for a physical fight. It's a true defensive structure. You can shift that physiological state if you shift the breathing pattern. If they push down on the diaphragm then they can inhale more air, as singers do or belly breathing - it extends the

exhalation and sends signal back to the vagus as the afferent signal.

One has to be a more mature victim and has to see the pattern and break the pattern. So it's not symmetrical. Vocal music functionally imitates female voices to calm people down. It's not high frequencies but something in the middle. Low frequencies gives us the rhythm for dancing and it's play. If we are comfortable then low frequencies are not considered a threat [safe activation of the right-side vagus nerve].

Master composers start with the comfortable middle ranges of instruments imitating the female voice.



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Pythagorean Lower Tan t'ien revealed!

Peter Kingsley: Yes, and it's also found in Taoist exercises as well as particular strands of Buddhism.... Empedocles tells his student that "if you press my words down underneath your dense-packed diaphragm," in other words if you breathe them in deeply into your belly, then they will stay with you and they will grow and they will change you.

[The inner farming](#)

birds call and sing not only to quicken the plants: they also call to awaken the human seed that we are. They are actually singing for our sake as well. If we can start to listen to them, really listen, they will draw us into this greater consciousness I have been talking about.



Synchronized Pant-Hoots and primate chimp grooming

When the specific communication and grooming behaviors that were identified in previous models as related to overall proximity were examined in relation to proximity in degree, only the rate of grooming received and the rate of synchronized high-intensity pant-hoots predicted proximity centrality. This suggests that when individual chimpanzees are found in close proximity with numerous conspecifics, in addition to grooming, synchronized vocalizations accompanying loud auditory gestures may play a key role in managing these more numerous social relationships.

[Social Brain Hypothesis to primate EcoEcho music 2016](#)



Master Nan, Huai-jin

This is why the lotus [padmasana full lotus] sitting training is very important because it will open up the most difficult to open channels linking the waist to the legs.



William Lyne on Tesla's zero-point energy as phonons

Tesla's "sound waves in the ether" are longitudinal, D.C. mechanical pressure traveling waves (not electromagnetic waves) that travel at the speed of light. Throwing those waves out in front of the ship creates a sort of "super-gravity" which pulls the ship forward with astounding speed and force.

Sept. 7, 2016



Pythagorean Music is "not confined to humans"

Until recently, the failure of most musical tuning systems to conform to the mathematics of small integer ratios was grounds for rejecting Pythagoras's proposal that small integer frequency ratios account for the perception of musical consonance and harmonicity [19]. However, recent modelling of the cumulative effects of physiological nonlinearities at each way-station of the ascending auditory pathway has disclosed the presence of 'resonance neighbourhoods' at whole integer ratio spacings on the tonotopic maps of the auditory system [20–22]. This finding not only accommodates a wide range of tuning systems and musical scales found worldwide, but appears capable of accounting for human judgements of consonance, dissonance and tonal stability/attraction in terms of inherent organizational features of our auditory system ([20]; see also [23–27]), as follows.

The pattern of 'resonance neighbourhoods' in auditory system tonotopy is likely to be shared by all mammals, being a product of quite elementary properties of the neural circuitry in question. It did not evolve for purposes of music, in other words, but as an incidental by-product of the interaction of excitation and inhibition in a neural system evolved to process natural sounds efficiently [20]. Not being confined to humans [28,29], it is not likely to represent an adaptation to music. The presence in humans of cultural patterns of musical practice conforming to these subtle resonances in auditory physiology accordingly requires an explanation.

Music is "not confined to humans"

<http://rstb.royalsocietypublishing.org/content/370/1664/20140095>



Tranquility

?

11. Tranquility

Tranquility means going through in harmony. As for the qualities of the hexagram,
above is earth,
submissive,
and below is heaven,
strong:

Yang is strong inside, yin is submissive outside. Strength and submission unified, yin and yang correspond;

it therefore is called tranquility.



Who is Michael J. Formica talking about?

I have the great good fortune to be the disciple of a Shaolin priest (yes, the real thing, not the current Chinese gov'ts Wu Shu clones). He is 75 years old and a Dragon's Door Taoist grandmaster, as well as Shaolin - he says he's just starting to figure this stuff out and he's been doing it for 70 years. I have seen him mend bones (over a period of time, of course), heal stress fractures, relieve the pain of cancer and arthritis, as well as put out a candle from 20 feet away and knock down a 250 man without touching him.

[Michael J. Formica, life coach, spiritual training.](#)

That was 1996 - is he talking about Haideng?



Taiji as Wuji

In the *Theory on Yuan Qi of Taiji*: "Taiji refers to the state of integrated yuan qi before the separation of heaven and earth. It is the great beginning and the great one." The state before the "separation of heaven and earth" is "wuji" which is mixed and blurry, when qi is generated and distributed to make "yuan qi integrated as one," namely "taiji."

[The Mind Inside Tai Chi: Sustaining a Joyful Heart](#)

By Henry Zhuang

2015, YMAA

The article being quoted is this:

Zhu Xi's Metaphysical System and the Role of the Taji (Great Ultimate) by Kim Han-Sang, 2013.

Although Zhu Xi learned of the Taiji as 'the principle of origin of the universe' from his teacher Li Tong as early as in 1161....It was under the influence of Zhang Shi that Zhu Xi came to consider Taiji in connection with Xing....Taiji is not seen as some primordial undivided material stuff or matter, but clearly is stated as being the metaphysical Dao, as well as containing all the principles of movement and quiescence, and of yin and yang....

Taiji is just the li of all things in the universe....Even before heaven and earth have yet to exist, there must first be this li.

Behind the movement and quiescence is the principle of movement and quiescence and this is what is known as Taiji.

However, the reason why the [Diagram of the Great Ultimate] talks of "Indeterminate yet the Great Ultimate" and says that "Taiji is originally wuji" is not because wuji gave birth to Taiji after wuji, or because wuji existed before Taiji.

Taiji is the metaphysical DaoTaiji is that metaphysical entity that is one with the world of change and regulates it while accompanying it, without undergoing change itself.

wuji serves to define the character of Taiji as without form, but characterized by the presence of principle.

Taiji as wuji is not a primordial material substance - it is also different from the Buddhist notion of emptiness. It is the ground-providing principle behind phenomena that allow transformations in the phenomenal world to occur.



Fabrizio Pregadio on the Immortal Daoist Body

As is common in alchemy, forward processes, or regressive and progressive sequences, occur at the same time: while one goes backward along the stages of cosmogony, the inner embryo grows.

[webcached](#)

"

The cosmos and all entities and phenomena within it are generated through the continuous enactment of this process....

The regressive process of inversion, therefore is also a progressive process of creation...which is the Elixir itself. Not only do the two processes run parallel to one another but they are also ultimately equivalent."

Transforming the Void: Embryological Discourse and Reproductive Imagery in East Asian Religions by Fabrizio Pregadio.



Tibetan medical doctor listening secret

The ear collect the spiraling energy from the cosmos, this energy gives life to man, and we see this vitality in the light which shines forth from our eyes. Tibetan medical doctor.

Tamil Tirumantiram excerpts

They traverse the spheres of sun and moon, pingala and ida, and see visions of past, present, and future. And in that full moon day the nectar, amrita, ripens. Until lowering into the external mind from kundalini heights, time stands still. 875

It is the light of Shiva that beams jnana....It is the light born of constant awareness of the pure sound Aum. 2686

[Secrets of Sound-Current Nondualism from Kabir](#)



Sound-Current nondualism secret

Master Nan, Huai-chin on listening to the wind as the gateway to inherent emptiness

If you read through the *Surangama Sutra*, we read that the Bodhisattva Kuan-shih-yin herself "enters *samadhi* via hearing, contemplation, and cultivation."*The Surangama Sutra* tells us: "Inherent wind is truly empty, inherent emptiness is truly wind." The *ch'i* channels in the body are wind. Once you cling to them, you are finished....When we really open up the *ch'i* channels, then we reach the state where the

entire body is light and peaceful and we spontaneously forget the body....the wind element is most important.

To Realize Enlightenment: Practice of the Cultivation Path



Kevin Wallbridge, teacher

A very popular phrase within the world of Chinese physical culture is “意領氣” Yì Líng Qì, or “the mind leads the Qi.” A more complete rendering of the phrase is “心領意, 意領氣, 氣領身” Xīn Líng Yì, Yì Líng Qì, Qì Líng Shēn, or “heart leads mind, mind leads Qi, Qi leads body.”

[his blog](#)

Very important insight!!

“My opinion is that there are internal and external types of breathing. First seek for the breath to be fully getting through. The distinction is whether or not the breath is getting through. Those who have never practiced boxing arts or are just beginning to, their breathing usually goes no lower than mid-torso before it goes back up, and so their energy ends up floating upward. This is called ‘hindered breathing’. When the breath is suppressed to an extreme degree, the temperament is affected, and that person develops a combative personality. Such a level of internal fire burns them up until they are scorched.

“If the breath is trained to move downward and go directly to the elixir field, then in the course of time, the heart [the peak active organ] and kidneys [the peak passive organ] will be cooperating. Water and fire will be in a state of mutual benefit [as in hexagram 63 (made of water ☵ on top of fire ☲)], keeping internal fire from burning upward. Breathing can thus be natural and not get turned around mid-torso. In this way, the body can be said to be connected inside and out, upper body and lower, energy will flow smoothly, and the breath can get through to the lower torso. But there’s basically only one kind of energy and it’s a mistake to think there are two. The problem is when it is kept from getting through. Ziyu said: ‘Seek for your lost mind. Once you have found it, your Daoist mind is born.’ [This seems to be a paraphrasing from Mengzi, chapter 6a: ‘The study of the Way is nothing more than the quest for your lost mind.’] This describes the Daoist principle of watching and listening inwardly.”

[Sun Lutang](#)



Turn the light or Shen around to bring qi out of the jing - jingqi is Yuan Qi

[There is an excellent essay on the connection of philosophical Taoism to religious Neidan training - by Zhang Guangbao](#)

p. 183, originally published 2006, Beijing.

Inner alchemy from philosophical Taoism.

So he makes the very crucial insight that "yuan qi" actually is "jingqi" - and he cites the evidence for this.

So just as I have argued in my pdf - the alchemy practice is the shen turned around so it is "below" the jing - thereby creating the qi - and this is the eternal process.

According to him [Liu Huayang], the prenatal *jing* and the prenatal *shen* were identical....In the moment of chaos [prenatal shen], there is movement in peace [prenatal jing].

That is how the yuan qi then manifests, after the lower tan tien is filled up. p. 249

Zhang, Guangbao states indeed - this "jingqi" is the primordial cosmic yuanqi - from this process of the shen being contained internally along with the jing to bring out the qi energy.

This is the secret or "golden key" of the yin matter that is a superluminal precognitive signal, faster than the speed of light, as the Wu Chi, as jingqi or noncommutative phase (yuan qi) of yang frequency-Emptiness time- yin wavelength (speed). In other words the secret conversion of de Broglie's Law of Phase Harmony into Taoist alchemy.

When t'ai chi is at rest, yang and yin are united;
when t'ai chi is in motion, the two opposing forces separate. Herein lies the secret of immortality.

The Magus of Java: Teachings of an Authentic Taoist Immortal (on John Chang).

So that again is referring to "turning the light around" to activate the hidden momentum of yuan qi when time is zero.

Or to quote Foundations of Internal Alchemy.

"The whole process is ruled by Spirit....It's movement in 'non-doing' is called Original Spirit." Wang Mu, *Foundations of Internal Alchemy*.

The secret "hidden momentum" of light is the Yuan Qi of the Yuan Shen, the "movement in non-doing."

The key is being open to listening, that's the hardest thing. If you get five seconds of focus you're doing something. You slow yourself down, to maintain your focus, breathing is an important part, if you can pull the visualization without losing the connection, then it's much easier to shift the energy. If I inhale and exhale and be more objective, not so subjectively pulled into the experience, it would be like taking a snap-shot, looking at the snap-shot, keeping it steady while I was breathing. I could then keep my focus on something for an extended period of time. All I had to do was wait and the energy would shift on its own.

[Qigong master Jim Nance](#)

The two kinds of gravity, attractive force energized by matter and repulsive force by dark energy, like that of electromagnetic interaction by two opposite charges, can closely coupled to keep the universe in thermal equilibrium. Analogous to an electrically neutral object producing thermal phonons inside and radiating out thermal photons, the dark sector of the universe, being gravitationally neutral and thermally equilibrated, would produce thermal phonons, within which we, the observers, are immersed.

Ti-Pei Li and Mei Wu, December 2016 pdf

Erik Verlinde Phonon Graviton model passes first test - December 2016

Instead, the creation process says that each particle has both positive and negative angular momenta (spin) at the same time.



MMA gets a 15 mn break if hit in the balls but not real traditional Kung Fu Qigong!

Anyone can translate 馬陰藏相？

It means men's reproductive organ go inside the belly, just like the horse.

I don't know if horses have this situation.

One who practices Ming goun very well can have the situation like this.

Is anyone here has this situation?

馬 horse

陰 reproductive organ

藏 hide

相 look like

[Balls of Steel video of training the retraction](#)

My body became immovably rooted; breath was drawn out of my lungs as if by some huge magnet. Soul and mind instantly lost their physical bondage, and streamed out like a fluid piercing light from my every pore. The flesh was as though dead, yet in my intense awareness I knew that never before had I been fully alive. My sense of identity was no longer narrowly confined to a body, but embraced the circumambient atoms. People on distant streets seemed to be moving gently over my own remote periphery. The roots of plants and trees appeared through a dim transparency of the soil; I discerned the inward flow of their sap.

The whole vicinity lay bare before me. My ordinary frontal vision was now changed to a vast spherical sight, simultaneously all-perceptive. Through the back of my head I saw men strolling far down Rai Ghat Road, and noticed also a white cow who was leisurely approaching. When she reached the space in front of the open ashram gate, I observed her with my two physical eyes. As she passed by, behind the brick wall, I saw her clearly still.

All objects within my panoramic gaze trembled and vibrated like quick motion pictures. My body, Master's, the pillared courtyard, the furniture and floor, the trees and sunshine, occasionally became violently agitated, until all melted into a luminescent sea; even as sugar crystals, thrown into a glass of water, dissolve after being shaken. The unifying light alternated with materializations of form, the metamorphoses revealing the law of cause and effect in creation."

"Cosmic Consciousness Explained" chapter 14, *Autobiography of a Yogi*, Swami Yogananda



My online articles, books, etc.

- [Mystery, Magic, Music and Metaphysics: The Psycho-Physiology of Pythagorean Philosophy as a scribed](#)
- [The Mind Possessed: Matrifocal Music Healing](#)
- [Spooky Activists At a Distance!](#)
- [Trance Songs: How to Make Love to the Universe \(Lulu book, 2008\)](#)

- [2000 U of MN Final Op-ed - Primordially Repressed by Psychic Vampires Drew Hempel](#)
- [1998 Corporatization Root of All Evil expose letter University of MN Daily Drew Hempel](#)
- [1998 Organized divestment of Total Oil from University of MN for slave labor in Burma](#)
- [1998 Land Mine/Depleted Uranium protest civil disobedience](#)
- [1998 Drew Hempel arrested against military depleted uranium land mine corporation](#)
- [1998 Drew Hempel expose U of MN Daily op-ed on military waste](#)
- [1998 Drew Hempel working at human rights/social justice restaurant fundraiser nonprofit - U takes over and shuts down](#)
- [1999 Drew Hempel University of Minnesota Op-Ed on corporate corruption control of science](#)
- [1999 Drew Hempel protest against slave labor sweatshop clothing for Nike-U of MN sports profits](#)
- [2000 Drew Hempel organizing Workers Rights Consortium at U of MN](#)
- [1999 Drew Hempel disrupts U of MN president annual address - genetic engineering expose](#)
- [2000 Drew Hempel U of MN Daily op-ed on Cargill, world's largest private corporation destroying the planet](#)
- [2000 Drew Hempel U of MN Daily Op-Ed on Water crisis sucking us into revolution](#)
- [1999 Drew Hempel report on confront V.P. Al Gore about CIA drug dealing, U.S. human rights violations linked to AID and abrupt global warming](#)
- [1998 Drew Hempel report on 1.5 million killed in Iraq by U.S. led genocidal sanctions](#)
- [Everything posted by Voidisyinyang on thedaobums](#)
- [Being in Two Places at the Same Time: The Phase of Spiritual Vibrations Consciousness Training, The Echo World, Oct. 2017](#)
- [The Natural Resonance Revolution: Black Hole in the Brain, 2007, reposted 2010](#)
- [Actual Matrix Plan translated into Spanish](#)
- [Interview with me, in Spanish, by a long-time reader in Spain](#)
- [The Devil's Interval and Pre-established Deep Disharmony of Western music tuning, secrets of acoustic alchemy music theory](#)
- [Master's Thesis 2000 Epicenters of Justice, "hidden mysteries" magazine](#)
- [You Can't Fake the Full Lotus \(translated into French by Marie-France Vaillancourt for David Ownby class Course Blog HST2621, "The Religions of Modern China," given the winter session, 2012, at the University of Montreal.](#)
- [The Rotten Root \(article, 2001\)](#)
- [How Qigong or Taoist Yoga Explains Gurdjieff](#)
- [Gurdjieff and the Triode Amplifier \(article\)](#)
- [Against Archytas \(article\)](#)
- [The Secret of Psychic Music Healing \(article\)](#)

- [The Highest Technology of All Technologies \(article\)](#)
- [You Can't Fake the Full Lotus \(article\)](#)
- [Do-Ohm Up the Yin-Yang! Amazon.com e-book](#)
- [BioMusic Conspiracy article 2006](#)
- [2017 The Idiot's Guide to Taoist Alchemy Qigong, Enlightenment, Neidan, Nei Kung, Neigong training for males \(idiot's guide to taoist alchemy.pdf\)](#)
- [Actual Matrix Plan expose from 2001](#)
- [2000-1 U of MN master's thesis, "Epicenters of Justice" Sound-current nondualism, radical ecology, music theory](#)
- [2012 Alchemy of Rainbow Heart Music pdf book](#)
- [The Secret Science of Spiritual Healing 2 part article series](#)
- [Natural Resonance Revolution lulu books - full free preview](#)



Ecological Health Restoration

Nothing is lost, sweet self, Nothing is ever lost. The unspoken word Is not exhausted but can be heard. Music that stains The silence remains 0 echo is everywhere, the unbeckonable bird! **Echo by Lawrence Durrell**



Drew W. Hempel, master's degree in sound-current nondualism (U of MN, 2000)

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Lungs direct qi downward

The Lungs also direct *Qi* downward. A full inhalation can only occur when the Lungs send *Qi* down to the Kidneys, which in turn “Grasp The *Qi*.” This is essentially “*Dantian Breathing*,” or “*Kidney Breathing*,” the deep abdominal breathing advocated in meditation, Nei Gong and the martial arts. For this reason, natural deep breathing is of paramount importance in the internal arts.

[Tom Bisio](#), author of *Nei Gong: The Authentic Classic (Nei Gong Zhen Chuan)*

