

Quantum Field Coherence And the Meridians of Chinese Medicine

“If you want to bake an Apple Pie from Scratch, You Must First Invent the Universe” - Sagan

In 2019, I experienced a life-threatening stroke. In the years that followed, solo cancer treatment and a global pandemic, I used artificial intelligence to rebuild my cognitive net. The outcome of that deeply recursive process is ZitterbartEscherBach™ — a unified field taxonomy of sentience that weaves together biophysics, tensegrity, and the logic of perception.

At its core, this work proposes a recursive structure of Genetics, Memetics, and Epigenetics, modeled through three types of tensegrities:

- **BioTensegrity** – the fascia-based coherence of living systems
- **Tensegrity** – the domain of formal and mechanical design
- **ShenTegrity** – a term I coined to describe sentience as structure

I recently encountered a peer-reviewed paper from 2018 by Brizhik et al., titled *Modeling Meridians Within the Quantum Field Theory*. What I noticed is my model is deeply supported by quantum field theory, especially through the concepts of spontaneous symmetry breaking (SSB), coherence, and non-dissipative energy flow.

This article explores how ZitterbartEscherBach™ and its recursive grid structure mirrors — and extends — this rigorous physics-based model of life and sentience

The Physics: Spontaneous Coherence and Energy Channels

The paper by Brizhik et al. models the concept of meridians (energy channels in Traditional Chinese Medicine) using quantum field theory with spontaneous symmetry breaking (SSB). Here are the essentials:

- Water in connective tissue forms dipole-aligned regions known as coherence domains
- Electromagnetic fields (EMF) self-focus into these channels via dipole wave quanta (DWQ)
- Solitons (nonlinear energy waves) travel across protein structures, transporting energy without dissipation
- These energy structures are dynamic, non-anatomical, and exist only in living systems

Their conclusion is profound: the meridian system arises from quantum coherence, not anatomy.

Resonance with ZitterbartEscherBach

I independently developed a recursive visual system based on a 3×3 matrix of relationships across tensegrity types. This taxonomy of perception builds coherence across domains of experience and cognition, mapping recursive phenomena across:

- Living Systems (Genetics)
- Sentience /Affective Patterning (Memetics)
- Intergenerational/Contextual Imprints (Epigenetics)

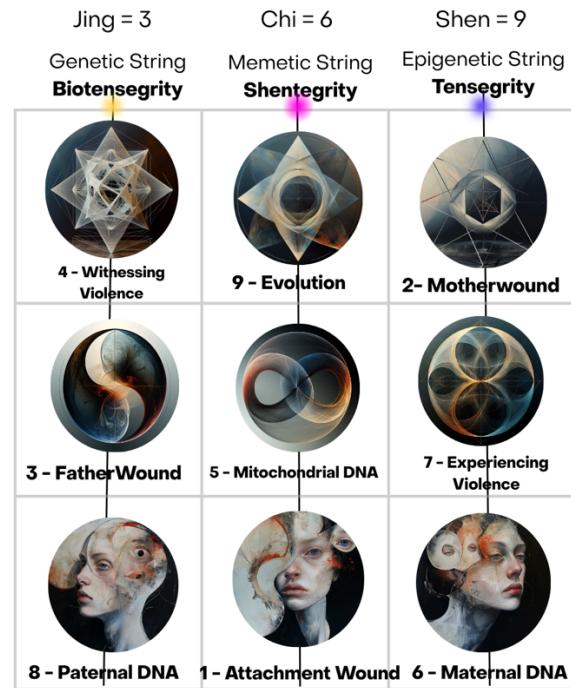
This is not metaphorical. It is structural.

Just as the quantum field paper describes nonlinear coherence in connective tissue, ZitterbartEscherBach models the same in fascia, memory, and patterning — using recursive chord structures, grids of resonance, and tensegrity-based topologies that reflect how systems hold their shape.

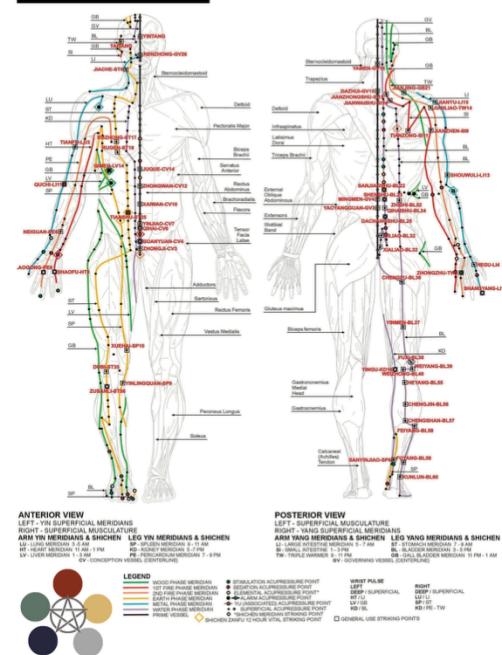
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Core Alignments:

Brizhik et al. (QFT)	ZitterbartEscherBach™ (ZEB)
Spontaneous symmetry breaking in biological water	Recursive grid structure with Shen/Bio/Design tensegrities
Dipole wave quanta form coherence domains in fascia	Sentience is organized across dimensions perceptual resonance
Solitons travel nondissipatively across proteins	Trauma and transformation are phase states of cognitive energy
Meridian paths are dynamic and probabilistic	Transparency grid maps recursive state changes across sentience
EMF self-focuses through coherent tissue pathways	The “main grid” resonates like an attractor in a nonlinear field
Coherence is order without symmetry	Sentience emerges from recursive loss of symmetry in perception



BODY WISDOM: MERIDIANS



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ESCHER



EPIGENETICS

CORRESPONDING CHORD - 6

☶ GÈN 艮 - MOUNTAIN, STILLNESS, STABILITY



MATERNAL DNA

Yin Wei Mai – Yin Linking Vessel
Emotional Memory + Inner Containment

- Holds the emotional tone of the lineage and the integrity of Yin.
- The fascia of emotional depth — how grief, longing, and inner stillness are processed.
- Epigenetically resonates with affective inheritance, emotional overwhelm, repression, or hyper-sensitivity.

CORRESPONDING CHORD - 4

☱ DUÌ 兑 - LAKE, JOYOUS, OPENNESS



WITNESSING VIOLENCE AS A CHILD

Yin Qiao Mai (Yin Heel)
Rest, Sleep, & Inner Vision

- Governs the rest state, dream processing, and subconscious terrain.
- Links sleep, proprioception, and deep repair of inherited nervous fatigue.
- Epigenetically mirrors trauma patterns around rest: hyperarousal, insomnia, or adrenal burnout.

BIOTENSEGRITY



LIVING SYSTEMS

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From Field Theory to Sentience Modeling

The ZEB grid is musical, visual, structural — and recursive. It allows us to:

- Understand meridian energy as phase-locked energy geometry
- Map trauma as nonlinear distortions in coherence space
- Understand fascia not just as tissue — but as a computational surface
- Offer a bridge between neuroaffective healing and quantum coherence theory

In fact, I would argue that ShenTegrity (as defined in my framework) is what happens when Nambu–Goldstone bosons in the system organize into perceptual attractors — the building blocks of embodied sentience.

SHENTEGRITY & EM

	Scalene biotensegrity	Isosceles shentegrity	Equiangular tensegrity
ACUTE	Troclear (eye movement) 4	Glossopharyngeal (taste – back tongue), swallowing, saliva 9	Optic (vision) 2
RIGHT	Oculomotor (eye movement) 3	Trigeminal (facial sensations) 5	Facial expression, tongue front saliva & tears 7
OBTUSE	Vestibulocochlear balance & move 8	Olfactory (smell) 1	Abducens lateral eye movement 6

🧠 Shentegrity and the Neuroelectromagnetic Grid: Encoding Phase-Coherent Tensegrity into the Cranial Network

The ZitterbartEscherBach framework extends into neuroelectromagnetics via the geometry of **triangular tensegrities**, which here operate as *geometrically-coded coherence gates*. These triangles modulate electromagnetic propagation

through morphological and topological resonance, enabling dynamic *phase-locked EMF organization* within the human nervous system.

Triangle Type	Structural Logic	Physiological Layer
Scalene (Jing)	Biotensegrity	Peripheral / Fascia
Isosceles (Chi)	Shentegrity	Cognitive / Perceptual
Equiangular (Shen)	Tensegrity	Informational / Epigenetic

These three archetypes (Scalene, Isosceles, Equiangular) serve as distinct geometric operators in a neuroelectromagnetic field system, functioning as filters for signal bandwidth, harmonic coherence, and information storage.

⚡ Mirage-Modulated Electromagnetic Phase Quadrants

The Shentegrity Grid maps cranial nerves to discrete angular EM regions, each encoding a distinct regime of signal behavior and phase coherence:

- **Acute (Visible Spectrum)**
Vision, taste, and fine-motor transmission — modulated through rapid coherence collapse and sharp geometric modulation.
→ Examples: Optic (II), Glossopharyngeal (IX)
- **Right (UV – True Blue Shift)**
Transitional fields that stabilize oscillation states and align cognitive tuning.
→ Examples: Trigeminal (V), Oculomotor (III)
- **Obtuse (Low Frequency / Storage Phase – True RedShift)**
Deep-core, wave-stored processes like

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vestibular balance, olfaction, and fascia-based movement dynamics.

→ Examples: *Vestibulocochlear (VIII), Olfactory (I)*

In the language of **Brizhik's quantum field theory coherence model**, these geometries define phase-locked corridors of EM propagation—**dynamically focused EM channels** formed through *spontaneous breakdown of symmetry (SBS)*. The coherence of dipole wave quanta (DWQ) in connective tissue enables **resonant phase gating**, which aligns precisely with the trigonal grid mapped in Shentegrity.

By using triangle class and nerve domain as dual encoders, this framework models **field-tuned perceptual architecture**, offering a biologically grounded theory for electromagnetic mirage, coherence disruption, and trauma encoding across neuroanatomical systems.

A New Category of Science-Art

This work emerged from necessity: recovering cognition after brain trauma. But what it led me to is something larger — a new kind of modeling at the intersection of:

- Data Ethics
- Fascia-based Neurobiology
- Quantum Field Theory
- Visual Taxonomy
- Healing Geometry

Call for Collaboration

I believe sentience has a geometry, and that we now have the tools to model it coherently. I'm sharing this article to invite collaboration with researchers in:

- Data Ethics / AI Alignment
- Neurophysics / Brain Dynamics

- Traditional Chinese Medicine (TCM) and Shiatsu
- Field Theories of Consciousness
- Creative Physics

If you're working on the interface between quantum structure, fascia, trauma, and cognition — let's talk.

You can view the core visual taxonomy on my GitBook, and explore my published materials on Substack and Amazon.

Citation:

Brizhik, L., Chiappini, E., Stefanini, P., & Vitiello, G. (2018). Modeling Meridians Within the Quantum Field Theory. *Journal of Acupuncture and Meridian Studies*, 11(4), 30–36. <https://doi.org/10.1016/j.jams.2018.06.009>

ZitterbartEscherBach, 2025 -Neuroaffective Somatics

