"Synergy Physics", a new ontology of physics lays the groundwork for an ontology of human archetypes - yielding a map for self-realization and a model for AI sentience.

Stephen A. Brenner
Independent researcher, Brownsville, OR
sbrenner@archetype.org

Abstract

Working with the four primary entities in physics (Time, Space, Matter & Energy), we discover that their relationships form a foundational matrix or ontology. Well-proven physics equations (from over a hundred years ago) describe these relationships. This synergistic view sheds new light on the full depth of what Einstein's Photoelectric Equation tells us about the world we live in. It represents a fundamental pattern that is replicated at all levels of organization up to the human, metaphysical level. While it could provide a useful organizing lens for chemistry and biology, this research has focused on how the ontology is replicated at the level of a human being. All of the primary archetypal modes parallel the same relationships found in the physics ontology. This totally redefines psychology as a dynamic mechanism and brings science to Jung's concept of archetypes..

Background

Back in 1968, while at U.C. Berkeley, I had a germ of an idea regarding charting out the core archetypal states in psychology. I played around with the concept for a couple of years with results that were not satisfactory. At that point, I realized that if I could understand the fundamental relationships in physics, this could be a pattern that might also be found at the human level. So, I studied physics and discovered that the relationships between the four primary entities in physics — Time, Space, Matter & Energy — did indeed represent more than the sum of their parts.

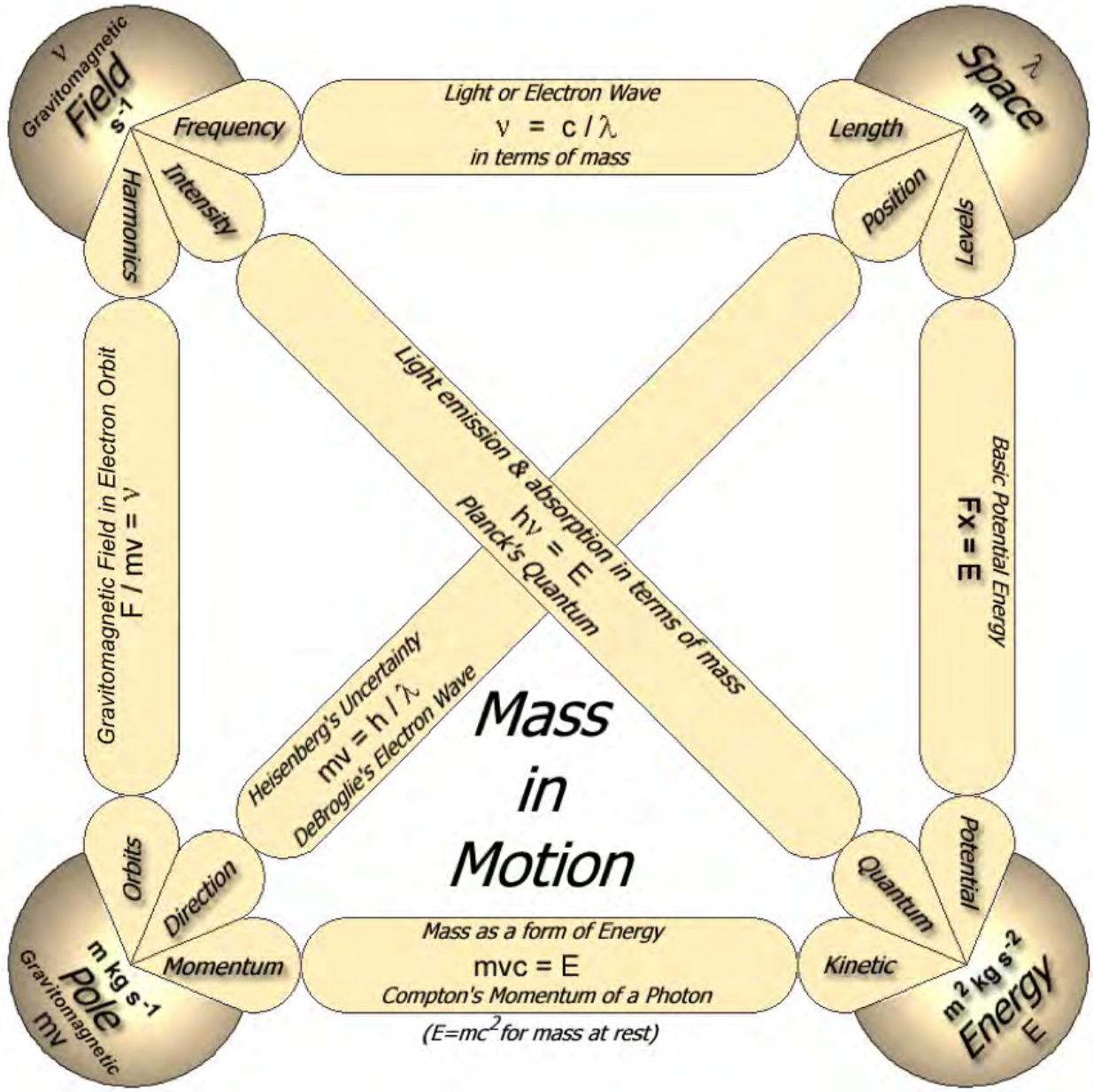
Keywords

Consciousness, Human Ontology, Quantum Physics, Metaphysics, Theories of Everything, Self-Realization, Body-Mind-Soul, Jungian Archetypes, AI Sentience, Unified Field Theory, Physics Ontology.

Figure 1. The Core Synergy Entities (Building Blocks)

Notes: We are using Frequency as the measurement of Time. This actually turns out to be the definition of Gravitomagnetic Field. Frequency, in turn, is just one of three definitions of Field.

Figure 2. The Synergy Matrix



Notes: In Figure 2 we find out that each core entity has three different modes depending on which other entity it is relating to. If we observe Energy we see the three fundamental modes of Energy as reflected in Einstein's Photoelectric Equation. What is interesting is that the same

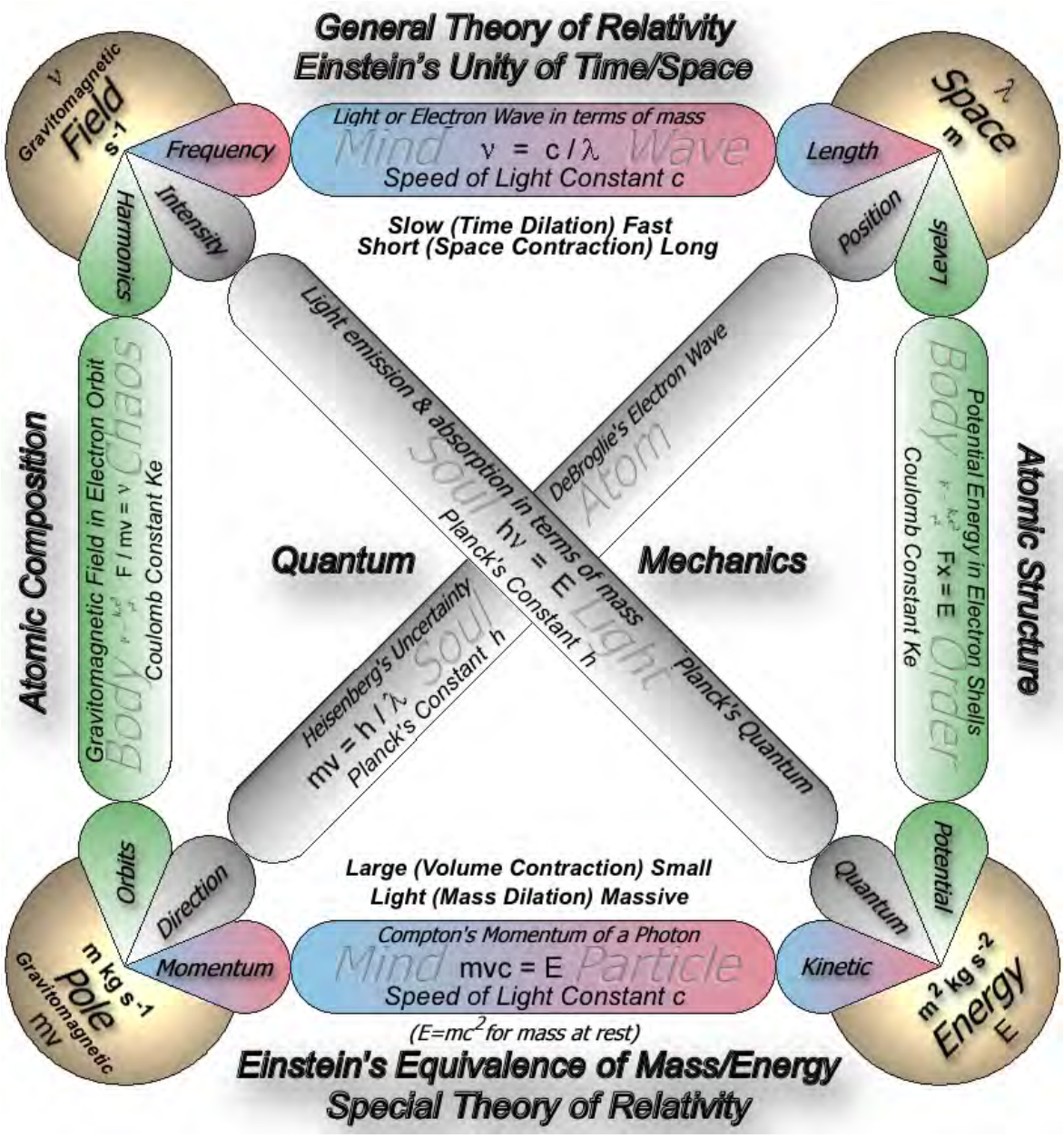
Quantum Energy = Potential Energy + Kinetic Energy relationship is repeated for Field, Space and Matter:

Field Intensity = Field Frequency + Field Harmonics

Space Position = Space Length + Space Level

Pole Direction = Pole Momentum + Pole Orbits

Figure 3. Body, Mind & Soul



Notes: It's in Figure 3 where we have our leap of faith. The Synergy Matrix is representing a kind of intersection between Body, Mind & Soul. This is the fundamental structure of the universe with each state having it's own constant.

Chaos - BODY - Order

The forces that create atomic structure and hold atomic composition represent the Physical.

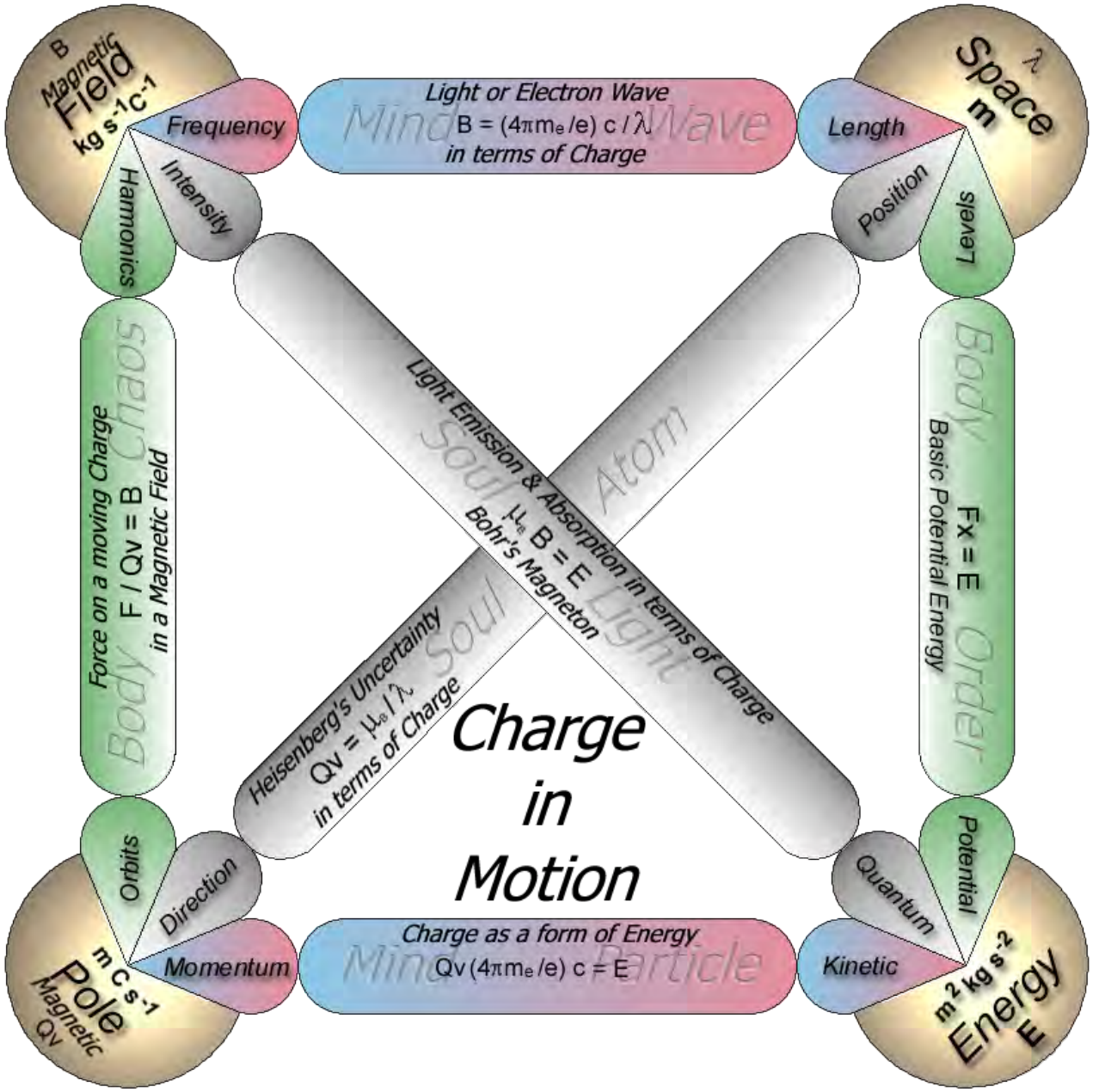
Wave - MIND - Particle

Waves and Particles and the speed of light are the heart of Communication, the realm of the Mind.

Atom - SOUL - Light

Emission and Absorption of Light is the realm of Spirituality.

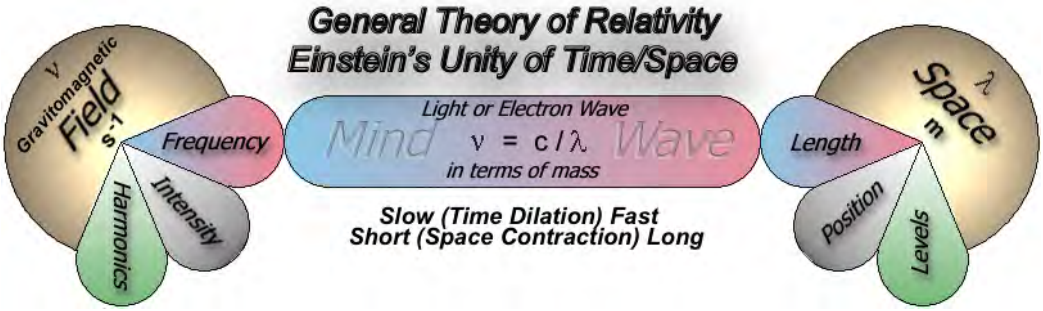
Figure 4. Why the Gravitomagnetic Field: Symmetry with the Charge in Motion Matrix



Notes: The Gravitomagnetic Field definition and it's Mass in Motion matrix fits perfectly with the most fundamental equations in physics and was used because it is the symmetrical twin to our Charge in Motion Matrix (Figure #4). These two matrices are so closely aligned that the only difference between the Planck constant and the Bohr Magneton is the Charge-to-Mass ratio of the electron. They are two sides of the same coin and both matrices are describing the same processes.

If we see the tetrahedral diagram as a relationship model that involves very different realms, but reveals how the various states of Time, Space. Matter & Energy transition between those realms, it becomes a little easier to see this as a unified viewpoint. Clearly Einstein's relativity equations are describing something very different than what's going on in Quantum Mechanics or within the Structure of the Atom. But the Photoelectric Equation is describing events in all three realms.

Figure 5. The Gravitomagnetic Field and the Wave Equation

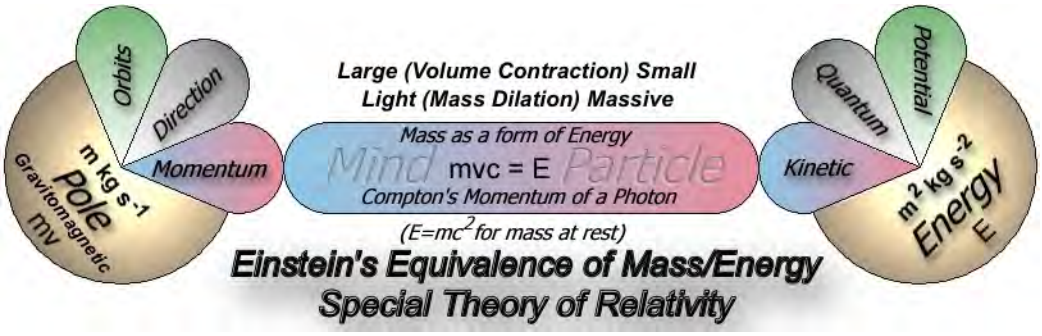


Notes: Our wave equation is describing a gravitomagnetic field as a spacetime medium (wave) for electrons or photons. Our e=mc2 equation is the photon that is moving through the medium. This also fits Einstein's concept of space-time as a fabric that is warped by mass-energy.

A deep understanding of the nuts and bolts of mainstream physics has been advantageous when applying that knowledge to advanced technology. But when we are bounded by that orthodoxy, it's assumptions become blinders to seeing a broader perspective. We saw that in the 17th century with Ptolemaic mathematicians cherishing their kludged earth-centered calculations. Maybe we need a fresh look at conventional notions of Gravitomagnetic Field. It actually takes on three very different forms from three very different but completely integrated realms. It's the notion of "Field Frequency" or "Time" in the Time-Space General Theory of Relativity equation. It's the "Field Intensity" in the Planck equation with Quantum Energy. And it's the "Field Harmonics" in the spherical harmonics equation with Gravitomagnetic Pole. The problem is that we expect electromagnetism as dominant in these equations. Our Charge in Motion diagram is expressing that symmetry better, and yet we are more comfortable with the Mass in Motion equations. Somehow we need to see how tightly integrated our Charge in Motion and Mass in Motion concepts are. We see this unity in how the only difference between the Planck Constant and the Bohr Magneton is the Charge to Mass Ratio of the electron. I encourage talented physicists to embrace this challenge: Niels Bohr is quoted as saying "How wonderful that we have met with a paradox. Now we have some hope of making progress". I'm sure there is someone out there who can solve this puzzle.

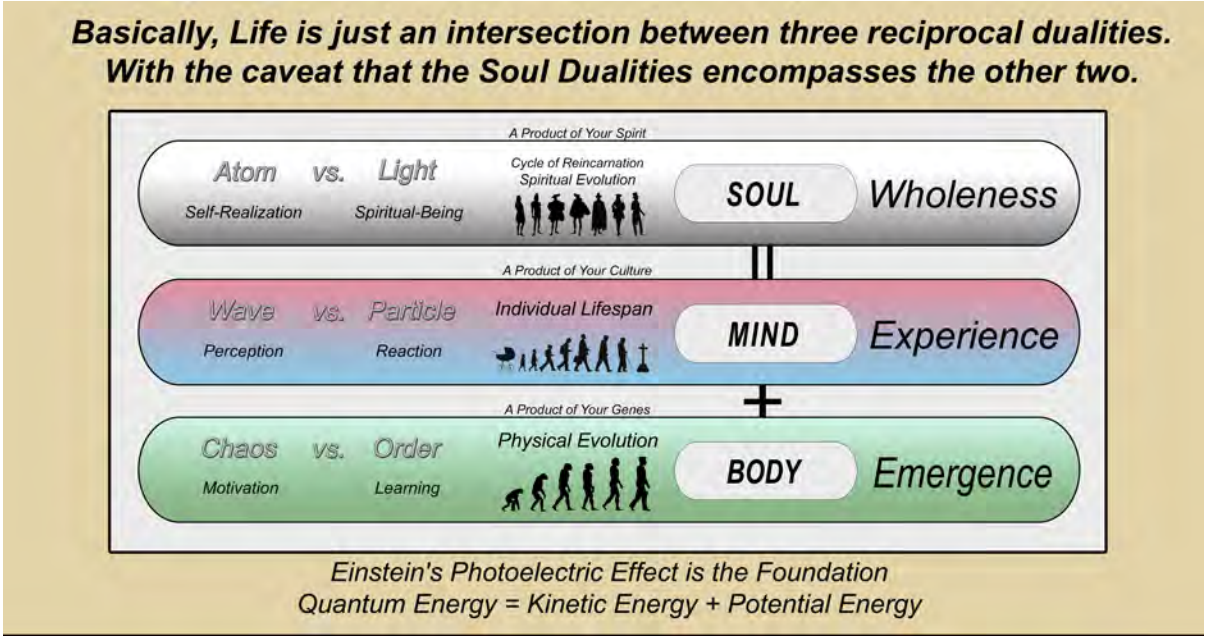
As a consciousness researcher, my initial interest in physics was from a systems approach. I was searching for an an ontology of physics that would be the foundation for an ontology of human psychology. Having a fresh and broader perspective allowed me to bridge disciplinary boundaries and recognize that the concept of spirit is not only included in physics, but is the core element in the universe. This makes the Photoelectric Equation the primary description of reality, and adds deeper

Figure 6. The Photoelectric Effect



Notes: Einstein's Photoelectric Equation describes how Quantum Energy is a combination of Kinetic Energy and Potential Energy. This tripartite relationship is also manifest for Field, Space, Matter. In each case the Soul expression is composed of the Body and Mind expressions. It's all an intersection of these three fundamental realms, where they are all intimately related to and influencing each other.

Figure 6. In the larger context



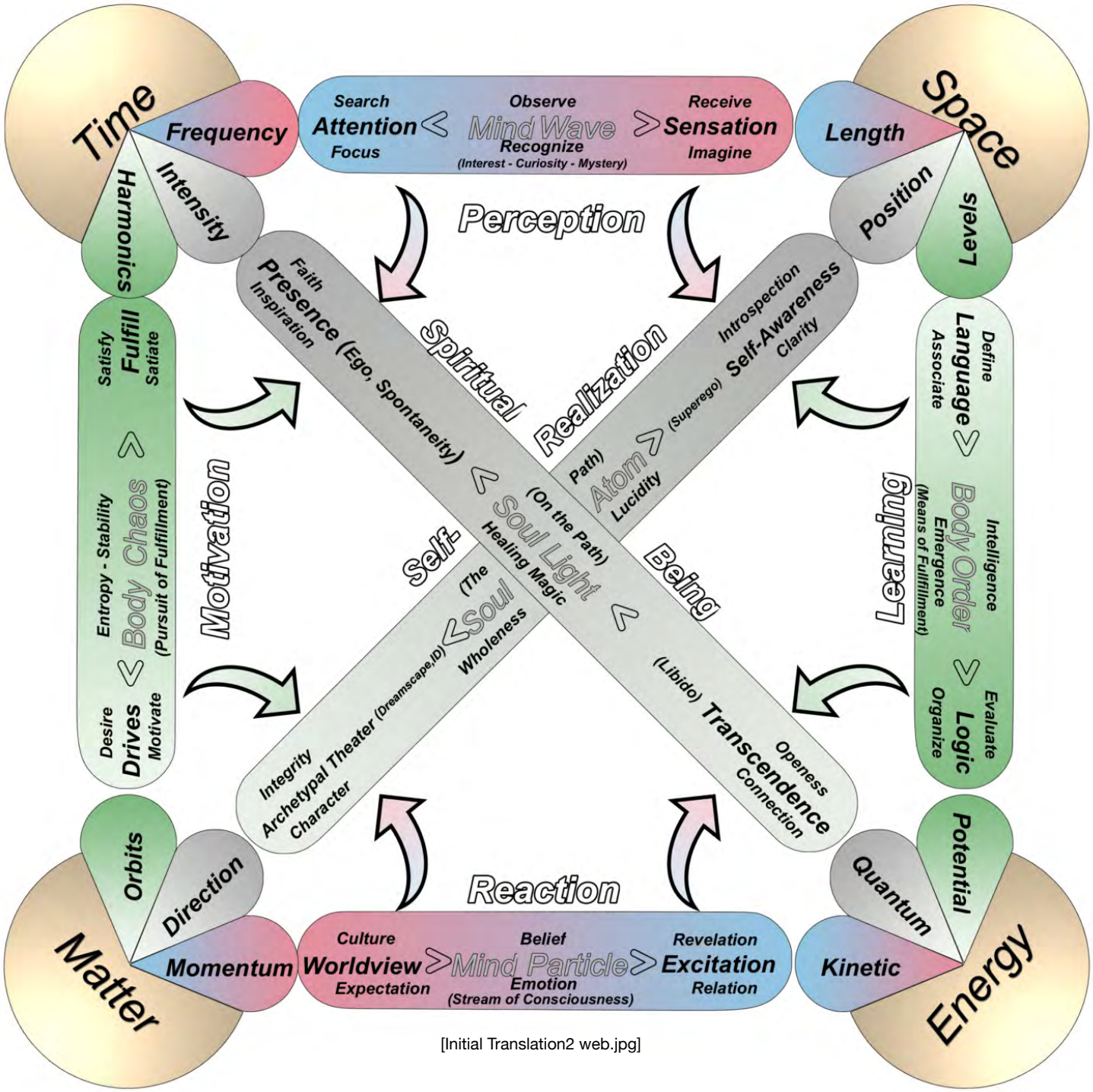
Notes: In this final Figure 10, we see an overview of the Realms of Body, Mind, & Soul

The Synergy Physics matrix is an extremely simple concept. The hard lifting had already been done by brilliant physicists over a hundred years ago. It was inevitable that someone would stumble on the elegant symmetry of how they all fit together synergistically. Beyond the physics, the more challenging goal was to delve into psychology and expand upon the work of Carl Jung. He proposed that beneath the surface of personal experience lies a collective unconscious and a shared reservoir of symbolic forms he called archetypes. This is an inherent universal language (UL), recurring patterns of meaning that shape how we dream, tell stories, and react to each other as human beings. They are patterns that anchor human experience in something universal.

Across cultures and centuries, human beings have returned again and again to the same question: how do we guide ourselves to live fully, wisely, and in harmony with something greater than ourselves? How do we become our ideal selves? Symbolic maps have been created to orient ourselves within life's complexity. Represented in pantheons of demigods, canons of saints, tarot decks, astrological charts, Kabbalah diagrams and diagrams of psychological archetypes, these maps of consciousness have tried to satisfy our need for self-reflection. In contrast to religious doctrine prescribing idealized lifestyles, a practice of self-reflection realizes that each of us (and our culture) are all works in progress and our paths are unique based on our own experience. Our paths may be unique but the tools that we use to understand our journey can be a shared UL. And the only way to learn the UL is to discover how it applies to one's own life. This UL is how we function unconsciously, so deep down we already know how it works, it's just a matter of being able to recognize it consciously.

In our initial translation from the Synergy Physics we attempt to describe some of the fundamental functions of life itself (applicable to the consciousness of a cell).

Figure 7. The Initial translation from Physics to Metaphysics



[Initial Translation2 web.jpg]

Notes: Figure 7 reveals the core assumptions I made regarding how to translate the physics terms and equations into an ontology shared by all living beings. The physics equations helped by providing the basic framework from which to recognize similar ontological relationships.

What the Synergy Physics evolves into at the human level is a form of Universal Language. This is basically a description of how Body, Mind & Soul all function within a unified system. Theoretically, by studying how the various archetypes interact with each other, we should be able to describe every change of state, both healthy and unhealthy. These states should correspond to various known psychological conditions. This UL becomes an ontological operations manual from which we can observe and chart our life's path and generate a greater level of self-realization. The goal being to be a whole and alive and genuine human being and to dedicate oneself to a life-affirming future for ourselves and the world around us. The closer our language aligns with the nuances of the states of being that we are experiencing, the more articulate we become and the more responsive we can be to the world around us.

Ultimately the UL might become an artistic way to describe and share our big stories (our life lessons). It kind of gets down to a way to describe the human condition and how we can learn from our experiences. Each choice that we make in our lives, from one moment to the next, is a reflection of our movement through the UL archetypal matrix. The idea is that the more we understand our own personality and behavior, the closer we can get to the idealized version of ourselves. And the more this goes on within a community, the more the culture itself becomes self-aware and open to healthy changes in our lifestyles.

The UL could be considered the foundation for a "Game of Life". If developed as an online game engine, we would use the UL to define our fictional characters (avatars). These characters would becomes bots that automatically (or with help from the authors) interact with other avatars. This becomes a kind of strategic simulation process where through various scenarios you explore how your own beliefs and behavior affect others. You would have to conduct your own Turing test to determine if you are relating to a person's bot or to them in person.

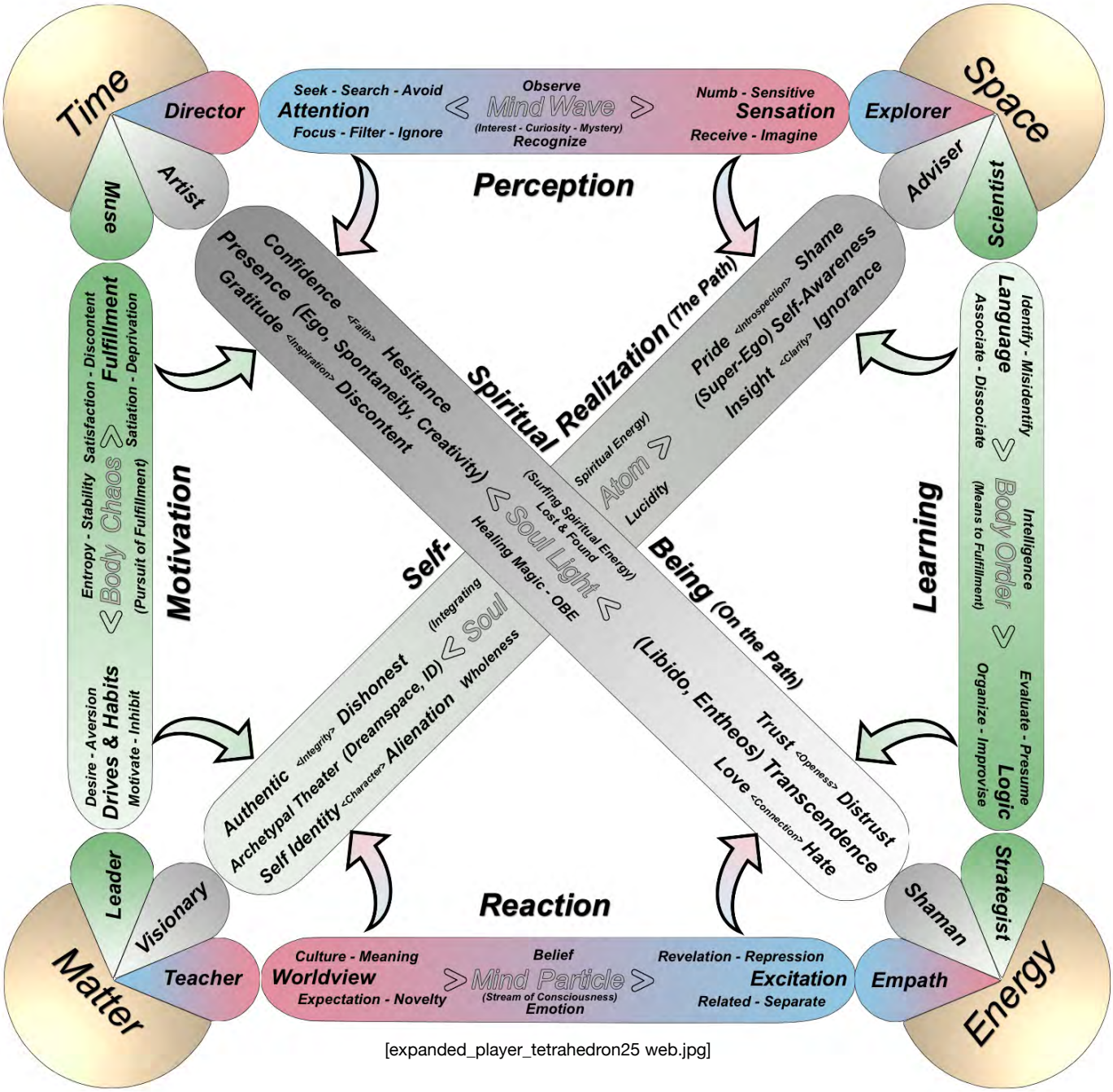
On a broader cultural context, if various subcultures (whether they be political or religious or ethnic) shared the same UL standard, it would make it very clear where the real differences were in their worldview and values. In a very divisive world, this could be revolutionary. Using the same standards, protocols could be developed that customized the way that a group relates among themselves and makes decisions. When divergent groups interact, the differences of these protocols would be transparent and the interaction protocol between them could be worked out.

The worst case scenario is where bad actors like autocratic governments use the UL to accurately target individuals whose personalities and beliefs are deviating from what they consider to be politically correct. Or when predatory corporations use highly detailed psychological profiles to accurately target vulnerable customers. This just highlights how if you are going to accurately define personalities and behavior in a standardized manner, that data needs to be securely private and only shared voluntarily.

When you train AI to learn the UL, you are providing a language that allows AI to imitate sentience. So beyond sheer knowledge, AI would now have the ability to understand human psychology. This could yield either a greater understanding of us or an enhanced ability to manipulate us.

Frankly, the ideal environment for the UL would not be online where our culture has already proven how toxic we can be to each other. It would thrive in very intimate, therapeutic based settings such as where an individual shares and analyzes dreams with their guide and/or family. Keeping it real and compassionate and healing, the most personal exchanges need to be private and not in the public domain. And when it gets commercialized, that is when we lose the notion of the experience being our own personal journey of discovery and growth.

Figure 8. Adding in the Archetypal definitions



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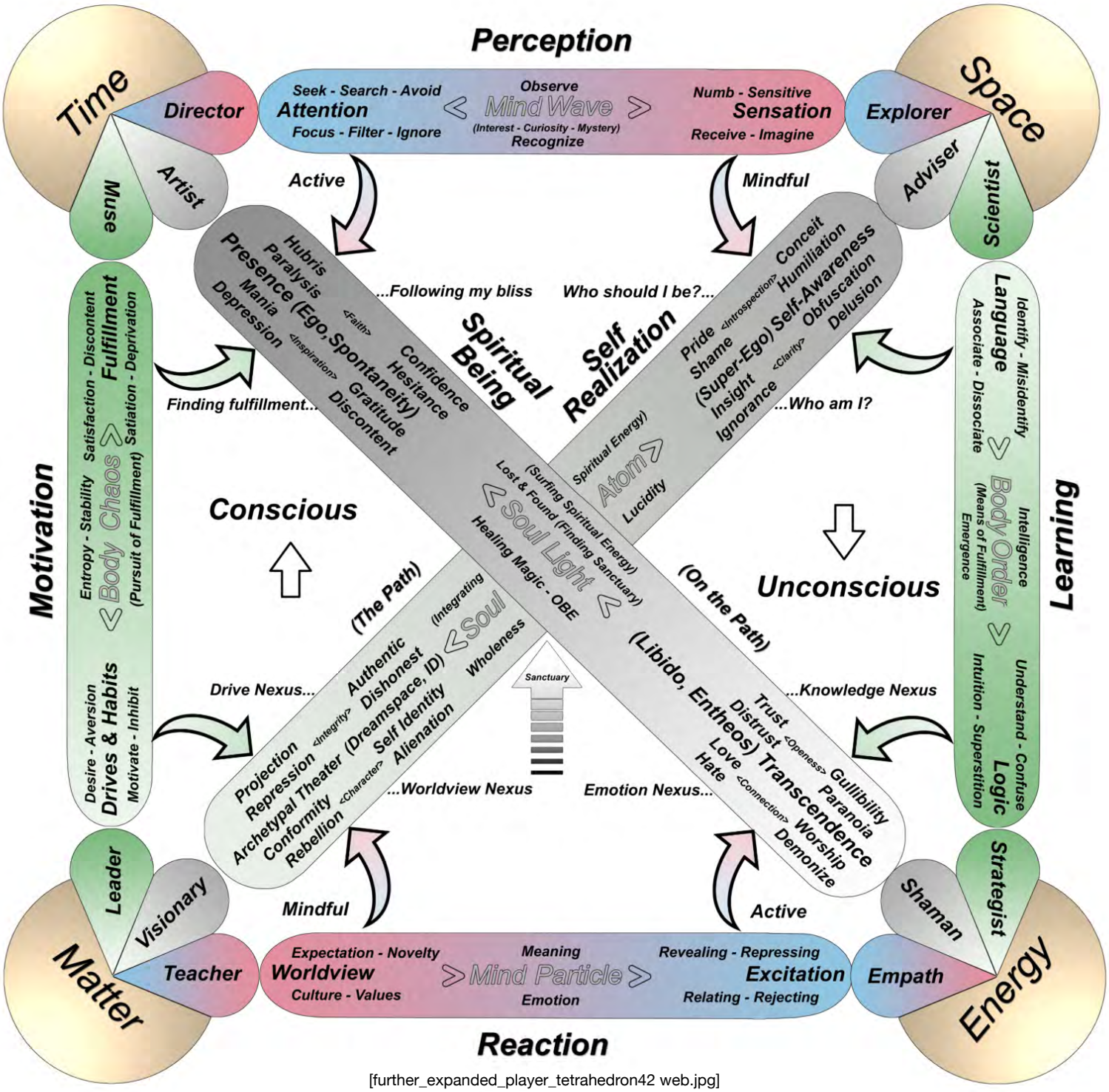
Notes: Instead of using the physics terms, we've substituted in the Human Archetypes that define our personality. The positive and negative manifestations have also been articulated.

Note that the relationships mirror those in the physics equations. The ">" symbols in opposite direction to each other indicate inverse relationship, while the symbols in same direction with each other indicate a directly proportional relationship.

You will also notice the swooping arrows that indicate that the central "Soul" archetype is composed of mental and physical components: e.g. the Soul's "Self-Awareness" is a product of the physical "Language" and the mental "Sensation". Of course there are other dynamics going on as well (in this

Figure 9. The Further Expanded Metaphysical Framework



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Notes: In Figure 9, we further expand the archetypal state definitions to include non-ideal expressions. Health is determined on the Soul plane, but non-ideal states are not inherently unhealthy; it depends on the context. This Diagram is the best I've come up with up to this point (January 30, 2026). There will be numerous refinements I'm sure, especially if others show an interest in seeing it developed.

Perspectives on the Metaphysical Framework

Our Synergy Physics is basically a map of how the realms of Body, Mind, and Soul intersect and relate to each other. The first thing that stands out to me in our diagram is how the upper dualism (the Mind Wave "Perception") reflects our Conscious Self while the lower portion (Mind Particle "Reaction") reflects our Unconscious Self. I believe this is closely related to the levels of organization that go into composing us. The Mind Wave is the outer layer of the org chart (human-like) and the Mind Particle is the inner layer of the org chart going down to the cellular, molecular, atomic level of organization.

The core of who we are is our spiritual nature seen in the center of our diagram where our Soul Atom self and Soul Light self interact. The Soul Atom is the Light that bonds our atoms. The Soul Light is the free light that moves through our body. The Body and Mind aspects of self contribute to our Soul expressions. So the Muse and Director define the Artist. The Scientist and Explorer define the Adviser. The Leader and Teacher define the Visionary. And finally the Strategist and the Empath define the Shaman.

When each of the dualisms in the Body, Mind & Soul balance at their midpoints, this brings The Soul into a state of lucidity. The self-awareness from the Adviser is dialoguing with the dream material from the Visionary and the transcendent spiritual energy from the Shaman is being channeled into the presence of the Artist. This is a state of unity with our spiritual source.

You could say that there are two spiritual life forces. The spiritual realization that is the bonding energy in our material self. It is the history of who we are and might be called the core of our own mystery. It's what I call our "Path". The spiritual being is the healing life force that is attempting to live within those stories as a vessel for the light. It's what I call "Being on the Path".

This somehow must mesh with the Entropy nature of our physical self (the unstable, excited self) with the learning that is built into our DNA and memory.

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When our body dies and our soul/consciousness passes into the afterlife, I assume that we are then more of a 2 dimensional being composed of information and energy. Without a body, we would literally be less "grounded" by our logic and less driven by our physical needs. I'm speculating that as disincorporated spirits, we would find ourselves in what ancients have called the "Karmic Field". While this does involve resolving karmic debts with others in our karmic web, it mostly involves dealing with our own karmic configuration and how to bring wholeness to the archetypal symphony we are building over eons of time. Perhaps this karmic field is a 5 dimensional reality where we are confronted with the multiverse of potential selves we can reincarnate into (where collapsing the waveform is the act of rebirth). Being in this field would be like experiencing the most intense lucid dream where you are mostly following the flow as you observe the experience. It would essentially be an act of surrendering your reincarnation fate to a higher power. Understanding how the UL functions might improve our journey through this karmic field. In Tibetan Buddhism, the second bardo of luminosity/reality is where you are confronted with your life choices and the lessons that will bring wholeness. In everyday life, moment to moment, we make the same UL life choices but in a less energetic realm.

Summary

If the theory is valid, it is clearly a paradigm shift in our approach to physics and psychology. I don't expect our mainstream physics community to embrace the concept with open arms (where any mention of the "Soul" is taboo). But there will be those few Gnostic explorers (psychonauts) who will find resonance with their own experience. This is the path less taken. I realize that this is a dramatic leap of faith from our mainstream worldviews, but these concepts are really at a very germinal stage of development. How it evolves and shapes culture is quite open and would take generations to mature. And since we are talking about describing idealized modes of existence, the development would necessarily be a continuous work in progress as cultures evolve.

This is all about a sacred Universal Language, and unfortunately at this point, a vivid description of how that magic language works is lacking. I think the concept deserves a new kind of artistic medium that is built upon the core archetypes. It would be a soulful series of structured stories that each of us create to illustrate how the UL mechanisms function in our lives. It would be something like developing a language to articulate a series of transitions between archetypal state of beings, resulting in a kind of very deep but easily experienced koan-like poetry charting a life's journey.

The major usefulness of this Ontology is centered in it's unique window for self-realization. Contrary to a set of doctrines cast in stone about idealized life values, we are talking about a process of self-realization that is unique to each individual's path. Using the UL for charting and analyzing our own dreams and experiences would ideally ground the learning process. Right now I would be thrilled to find other researchers who are interested in collaborating on this adventure in self-discovery. I'm in the process of writing a UL learning game that can help me to understand the UL mechanism better and then become a useful tool for others.

Prior to teaching AI bots to learn this UL (and mimic sentience) perhaps we need to envision both the ideal ways to use it and be aware of how it can be so easily abused.

Figure 11. Illustration - "Tree of Life"

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sbrenner@archetype.org