

Synergy Physics

The Journey from Physics to Metaphysics.
And a 21st Century View of the “Holy Grail” Mythology.



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Insights from the Middle Ages?

In modern physics, the discovery of a Unified Field Theory (or Theory of Everything) is considered the “Holy Grail” quest. Obviously, 800 years ago the original quest for the Holy Grail was quite unrelated to our modern scientific notion. But I wonder on closer inspection if the symbolism behind the grail legend might actually be more relevant to the human condition.

The earliest known written account of the Holy Grail is found in Chrétien de Troyes' Old French poem "Perceval, the Story of the Grail" (written around 1180 but never finished). This was the period between the 2nd and 3rd Crusades and prior to the beginning of the Inquisition in 1233 against the Cathars in France. Over the years numerous iterations of the poem were written by other authors.

The gist of the story is that our young knight (Parsifal) is on a quest to heal the wounded Fisher King (and the country he rules). He's advised to be sure to ask the right questions when he meets with the king. And each time during multiple dinners, the same set of various objects are paraded before the king and the young knight again fails to ask the question. Traditional exoteric religious interpretations aside, there are esoteric Gnostic insights buried within this story. The wounded Fisher King is the injured self, seeking a nurturing cure (the fish) from the depths of the water (the unconscious). Seen within the context of lucid dreaming, the parade of objects is symbolic of one's stream of consciousness with the grail being a clue to the cure. Parsifal “asking the right question” is the conscious self becoming aware within the dream and establishing lucidity and a meaningful dialog with the unconscious. So at least in literature, our ancestors could have been aware of the power of lucid dreaming and that self-realization is the ultimate goal in life.

Hebrew ontology acknowledged the sanctity of natural law with Psalm 33:6 – “By the word of the Lord the heavens were made”. Through a modern lens the “word” refers to the laws of physics that govern how our universe operates. So you might say that physics is ultimately the “Language of God” albeit a concept that is not easily relatable to the human experience. So various religions have come up with their own notions of who we are and how we relate to the Divine. And for the most part these are exoteric doctrines, targeted for easy adoption by the masses. In modern times, in our haste to shed the shackles of religious dogma, western science has embraced an atheistic, reductionist and materialistic view of that sacred language called physics. We can applaud the justification for a scientific method but not the limited scope of the inquiry.

So we lost our true grail quest and settled for the tangled mess within String Theory. When we eliminated the concepts of Consciousness and Spirituality from our search for a greater ontological understanding, we doomed ourselves to a very limited model of reality. So what should we really expect in our new ontology?



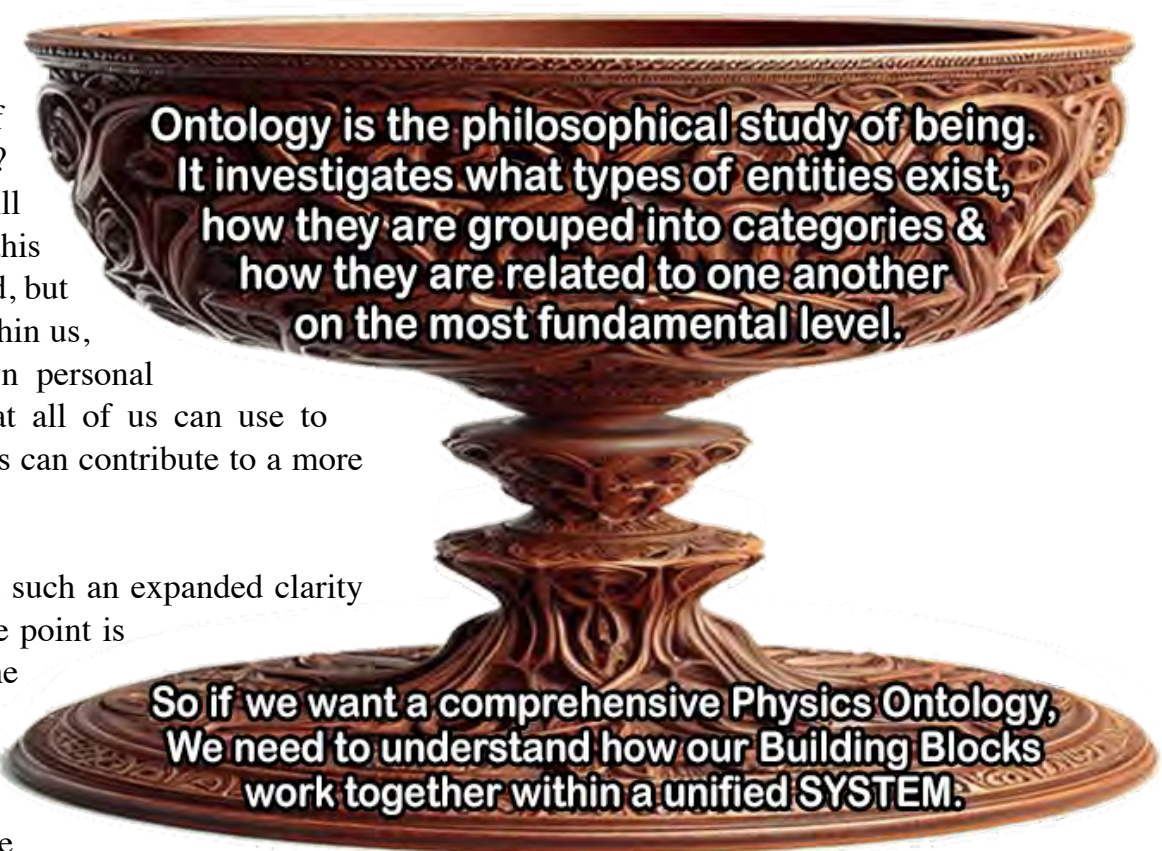
Ontological Expectations

So how does Parsifal's grail quest for self-realization and healing relate to the holy grail of physics? If physics is the Language of God, shouldn't understanding the ontology of physics bring us closer to our understanding of the Divine? Clearly life itself is the ultimate magic. Unfortunately we will never understand the full majesty of the creator behind this miracle. Religions may attempt to define god and how to act righteously, but if we can personally experience how the magic operates within us, we can get closer to understanding and guiding our own personal spiritual journey. And if there is a common language that all of us can use to describe how we operate, then perhaps a diversity of dialogs can contribute to a more harmonious, mutually connected world culture and reality.

It does sound preposterous to propose that one could attain such an expanded clarity and awareness from knowing just the bare physics equations. But the assumption is that these laws of physics, which govern our existence at the atomic level, happen to be a pattern that is retained all the way up at the human ontological level as well. So if we can understand how this metaphysical ontology operates we can better understand our own true nature. And that is the journey of young Parsifal in his quest to know himself and to bring wholeness and healing to the world.

"People like you and me never grow old," he wrote a friend later in life. "We never cease to stand like curious children before the great mystery into which we were born."

— Walter Isaacson writing about Albert Einstein



Ontology is the philosophical study of being. It investigates what types of entities exist, how they are grouped into categories & how they are related to one another on the most fundamental level.

So if we want a comprehensive Physics Ontology, We need to understand how our Building Blocks work together within a unified SYSTEM.



So what are the Fundamentals?

Seems to me if you want to build your ontological model, you need to start with the most fundamental building blocks.

Let's Play with Blocks!

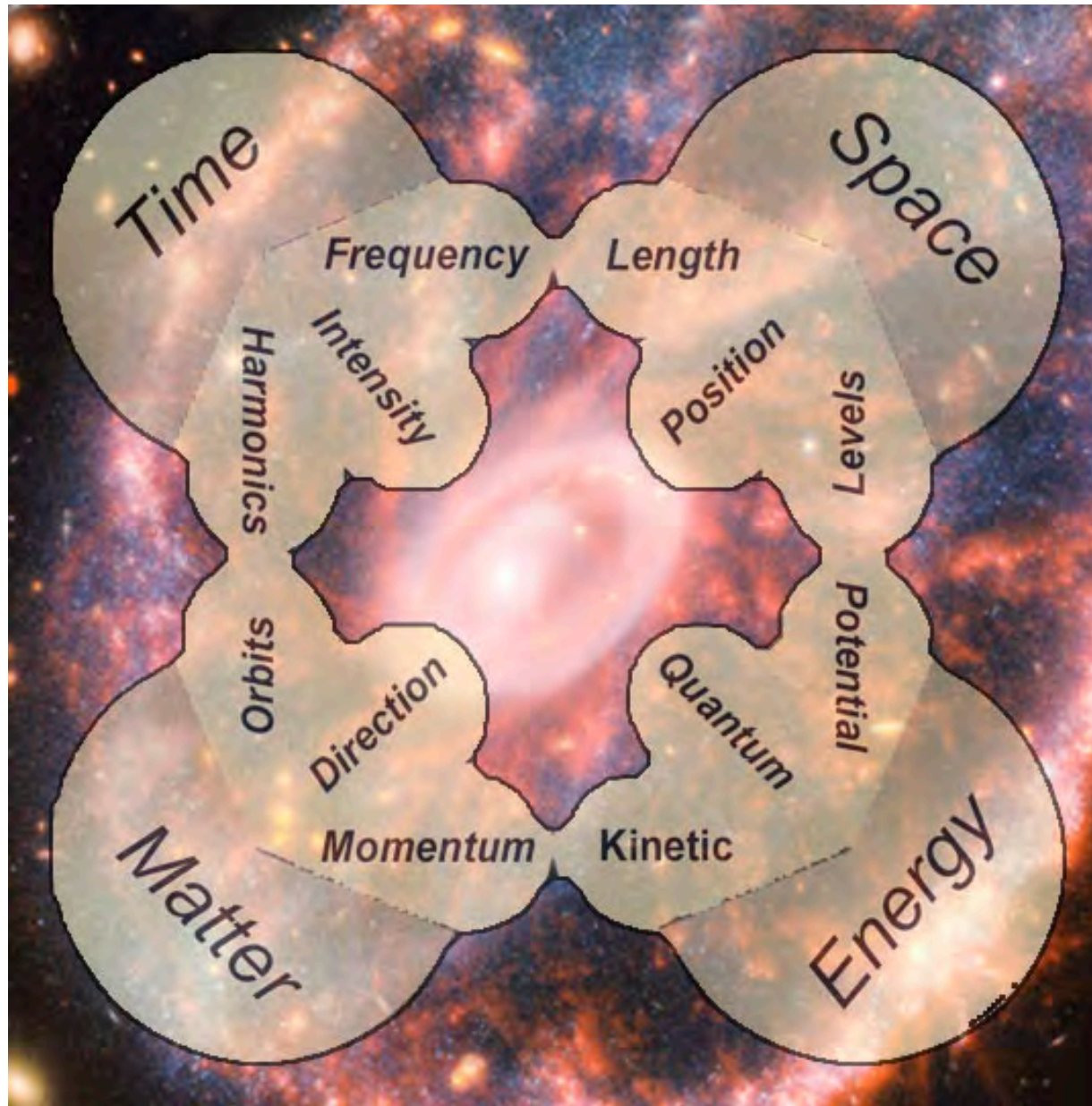


Using the International System of Units

Surely our building blocks must have some fundamental interrelationships...

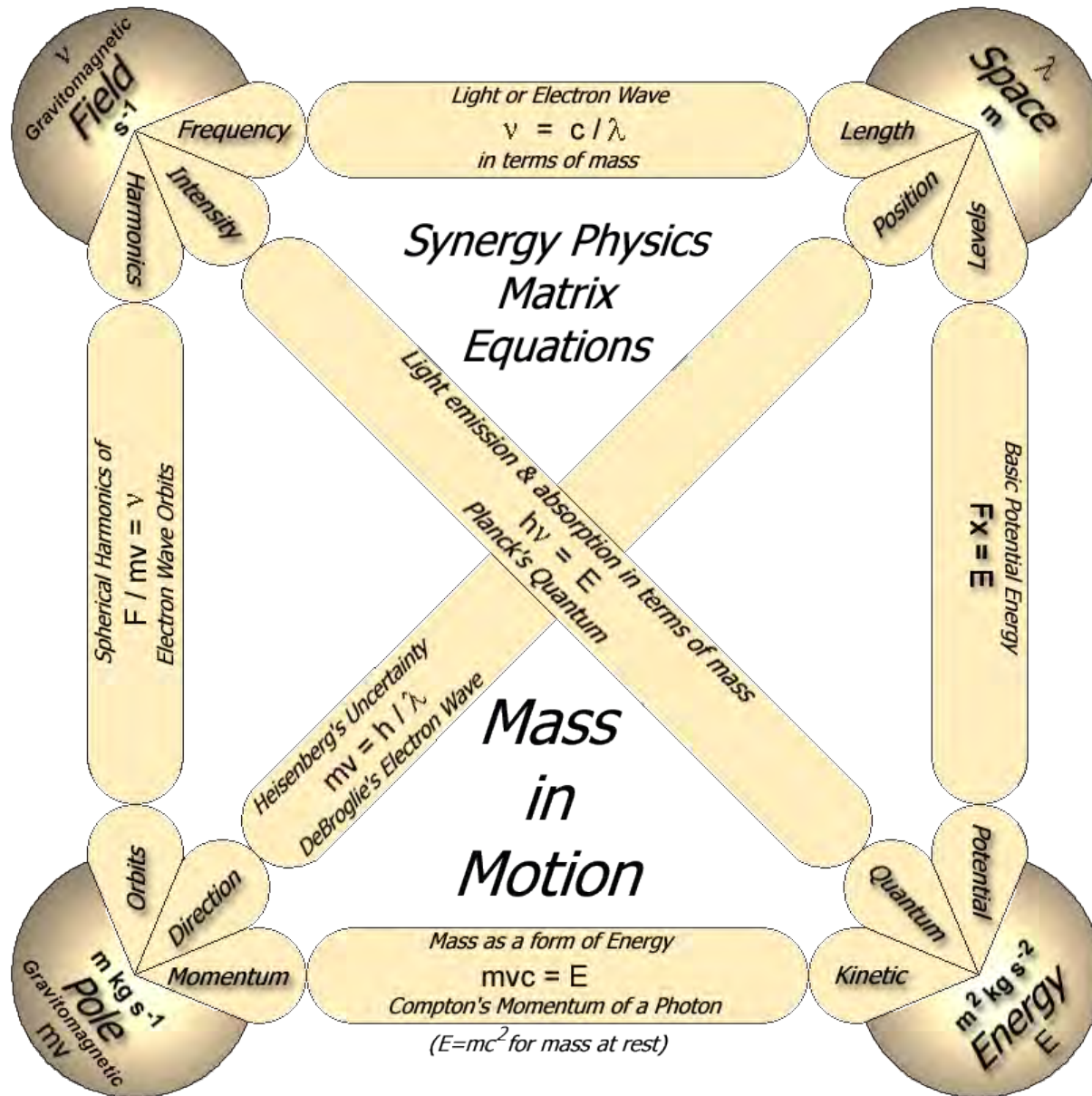


Establishing Matrix Connections



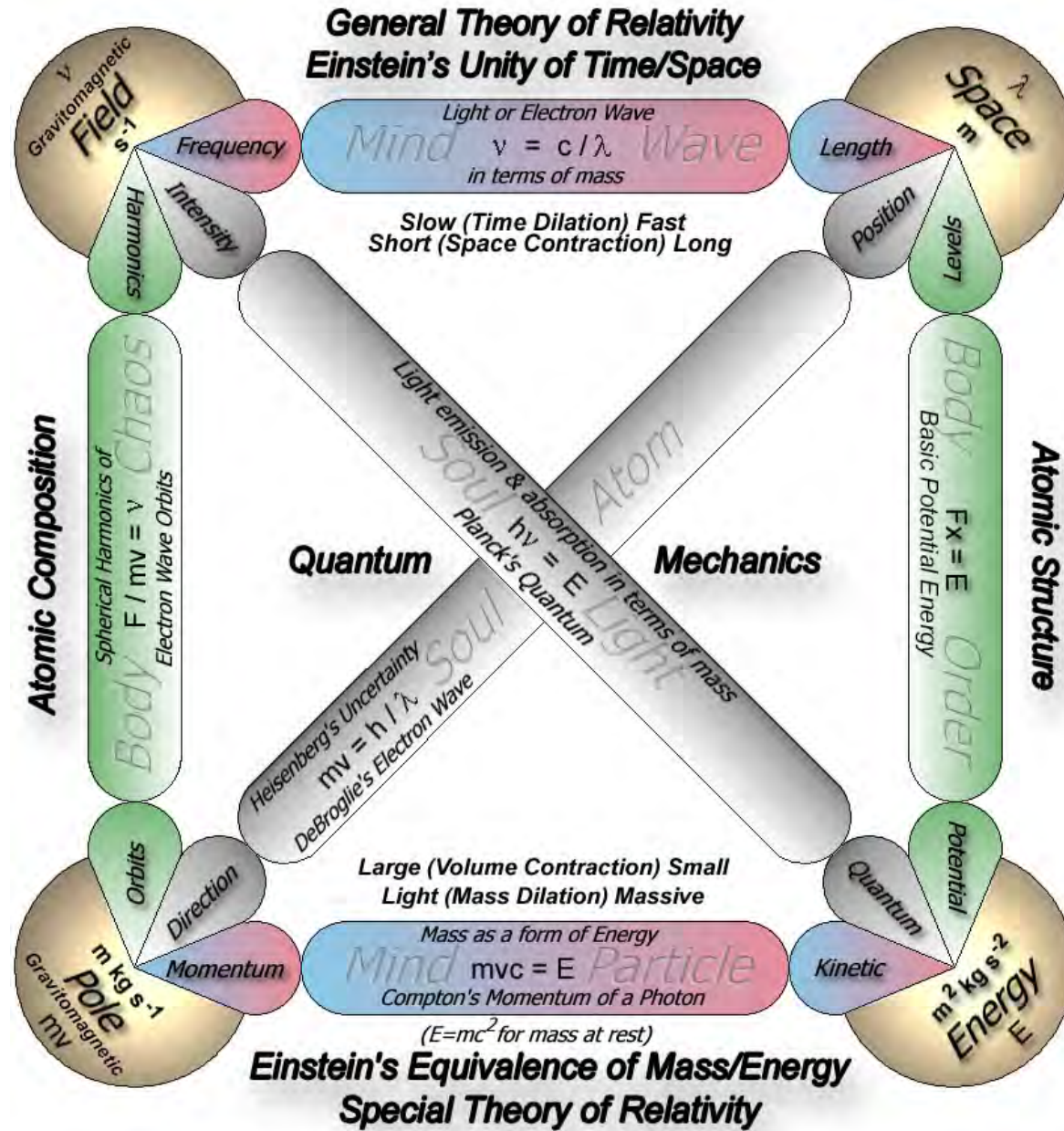
Each block now has three expressions based on which other block it relates to.

Add the Physics Equations



Equations look familiar?

Unexpected Consequences



Good Grief! The Definitions of Body, Mind & Soul, You Say?!
 Could our Ontology possibly be so simple?

A Tripartite Reality?

It's interesting to contemplate that our existence could be based on the three intertwined realms of Body, Mind & Soul, each with it's own set of laws.

BODY

I don't think it's a huge stretch to consider the forces that create the atomic structure and the atomic composition to represent what we consider Physical.

MIND

Waves and Particles and the speed of light strike me as the heart of Communication, which is what the Mind is all about.

SOUL

Here we have the Emission and Absorption of Light which in my worldview is the heart of Spirituality.

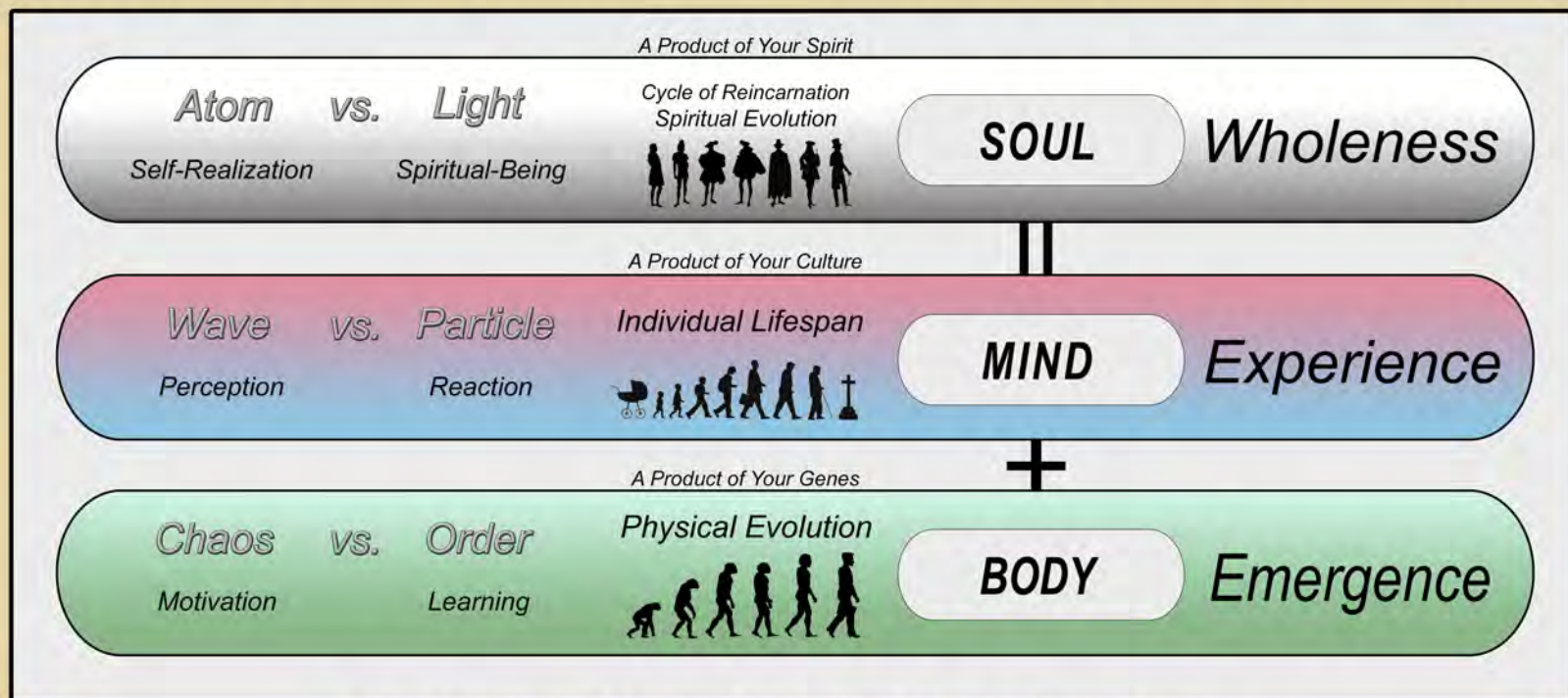
What is most interesting is that the whole Body/Mind/Soul relationship is summarized in Einstein's Photoelectric Equation:

$$\text{Quantum Energy} = \text{Kinetic Energy} + \text{Potential Energy}$$

(Soul = Mind + Body)

It pretty much sums up our Reality. We are predominantly Spiritual Beings.
The Soul is like a Divine Dream projecting Life.

**Basically, Life is just an intersection between three reciprocal dualities.
With the caveat that the Soul Dualities encompasses the other two.**



*Einstein's Photoelectric Effect is the Foundation
Quantum Energy = Kinetic Energy + Potential Energy*

Most researchers working to reconcile general relativity with quantum mechanics are approaching the task from a mathematical/geometric framework. Any other approach has never been an option within the reductionist viewpoint of traditional theoretical physicists. That is just the only language they know.

Our Synergy Physics model gives an extremely simple system overview of how the core elements fit together in basically what describes Einstein's Photoelectric Effect. We know the individual equations have been verified for over a century, it's just putting them all together in a unified interconnected system that is new.

Probably the key piece of the puzzle that was missing was to undervalue the notion of a gravitomagnetic field. This multifaceted field is the notion of "Field Frequency" or "Time" in the Time-Space speed-of-light equation. But it is also the "Field Intensity" in the Planck equation with Quantum Energy, as well as the "Field Harmonics" in the spherical harmonics equation with Gravitomagnetic Pole.

What our model tells us is that while the Photoelectric Equation describes three forms of Energy, all of our core building blocks of Time (Field), Space, Matter & Energy have three distinct forms and functions based on whether we are talking about the Body, Mind, or Soul realm.

It's tempting to propose that the universe is an intersection of three planes of existence (Body, Mind & Soul). But that is a bit too simplistic, not only because the Soul plane encompasses the other two planes, but also the term "plane" itself may not be applicable or even fully defined. It's more useful to think of the system as just a tightly integrated relationship diagram that has dramatic implications.

If one could use something like Lorentzian geometry (or whatever geometric construct dejour) to describe the nuts and bolts of this unified system, it would be a major scientific breakthrough and lead to advancements in applied physics. But as wonderful as that is, we aren't very close to it after a century of theoretical research. And perhaps the insights one gets from the viewing the whole system itself is something much more than a breakthrough in mathematics/physics of the material world, it's a totally new perspective on ontology and who we are as human beings.

If the theory is correct, and we can propose a Metaphysical Matrix that is based on a scientific physics foundation, it would be more like a Universal Language for self-realization. This is important because worldwide there are millions of people who are disconnected from any sense of reality (the walking dead?). They have no capacity to deal with the world based on their own perceptions and experiences. It's all about superstition and taking the word of religious and political authorities. And this lends themselves to being duped and manipulated by evil demagogues.

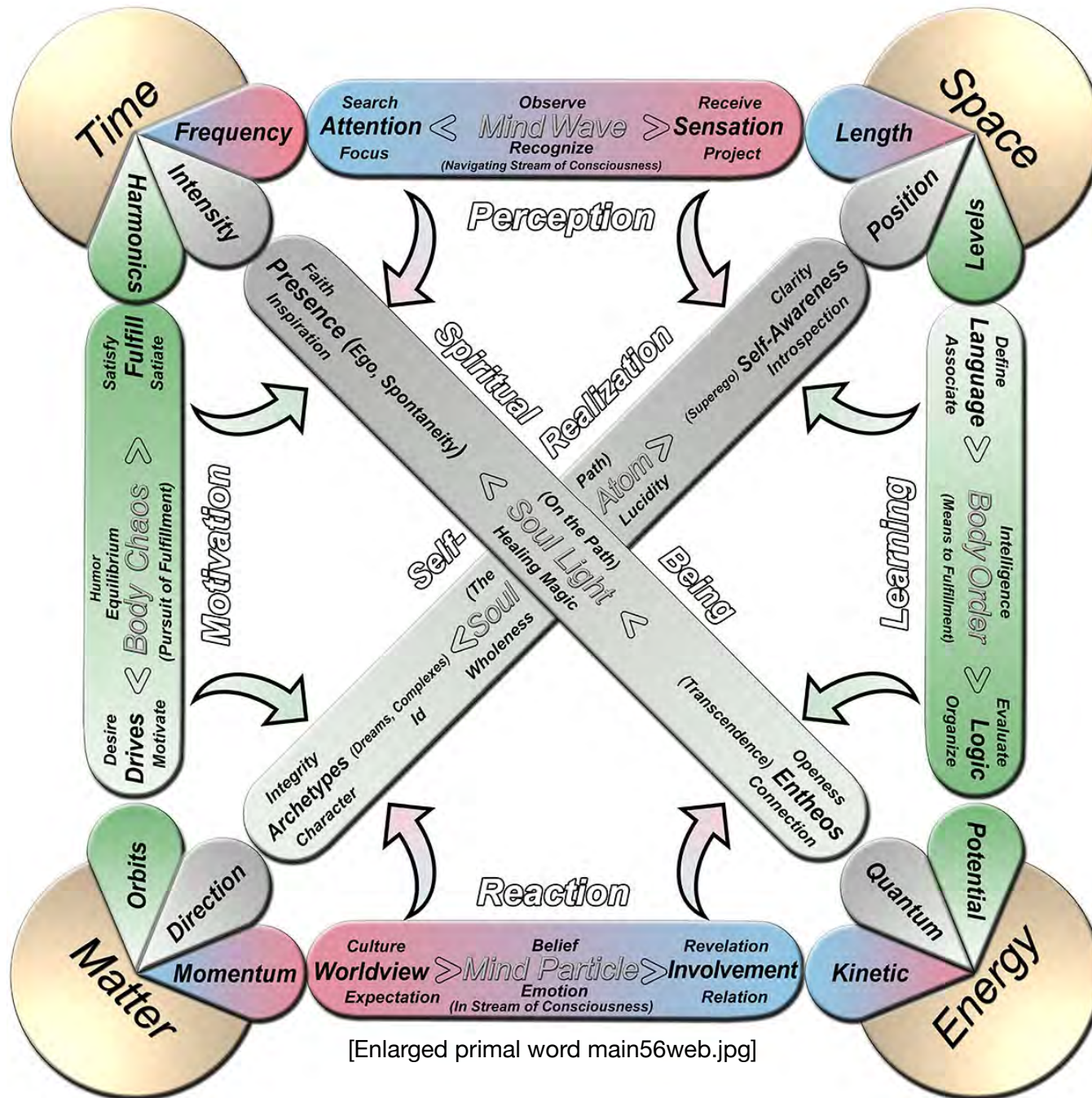
But a sophisticated ontological map would not be without risk. This would be a huge breakthrough in developing Artificial General Intelligence (AGI) which has huge potential for positive and negative outcomes. While offering individuals great insights into how to develop their spirituality; when exploited by bad actors such as fascist governments, it could also be a way to categorize and judge politically incorrect behavior and to manipulate the masses. So the advice is to move forward cautiously and with great respect for the sanctity of the impact on world cultures (maybe no problem after decades of no one showing any interest in the theory :-).

Some Background on my Quest...

Back in 1968, when I was a young student at U.C.Berkeley, I had a notion that there was some kind of universal matrix that could chart out the archetypes that define our human condition. This vision was in the realm of an advanced psychological map that would carry on the work of C.G.Yung. That didn't pan out but the germ of the idea still felt valid. I came to the conclusion that if I could better understand the core interrelating concepts in Physics (a "systems" view), that same framework of relationships might be mirrored in a new metaphysics. After 56 years of research and meditation, we have that metaphysics. It's still a work in progress (and will always be refined over generations). This is a big leap of faith (chiefly for physicists) but a few self-reflective souls might find some resonance with their worldview.

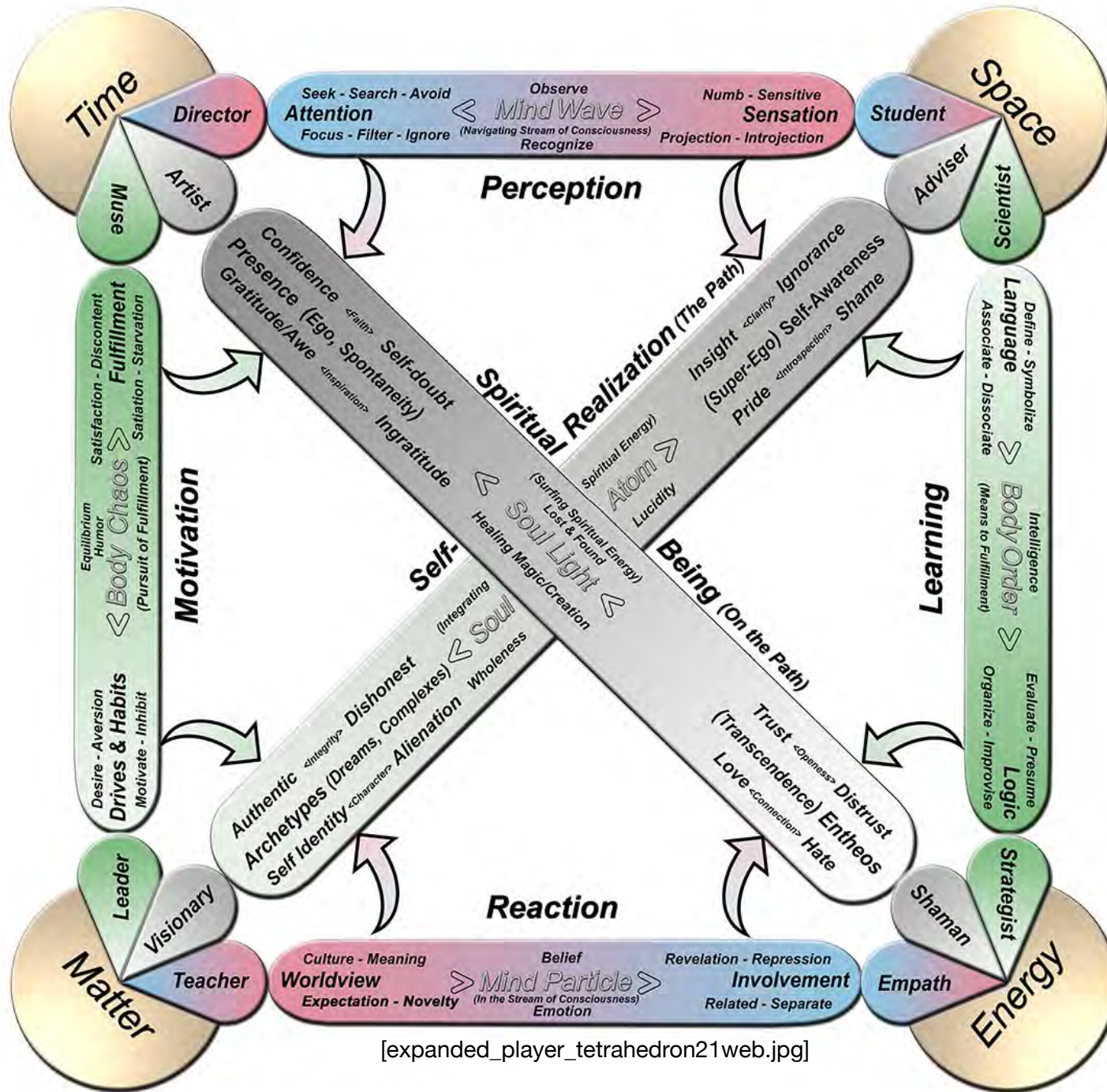
Now we can view the matrix with metaphysical correlates.

(The relationships mirror those in the physics equations. “>” arrows in opposite direction indicate an inverse relationship, while arrows in same direction indicate a directly proportional relationship.)



We expand with plus/minus and add Archetypal Characters.

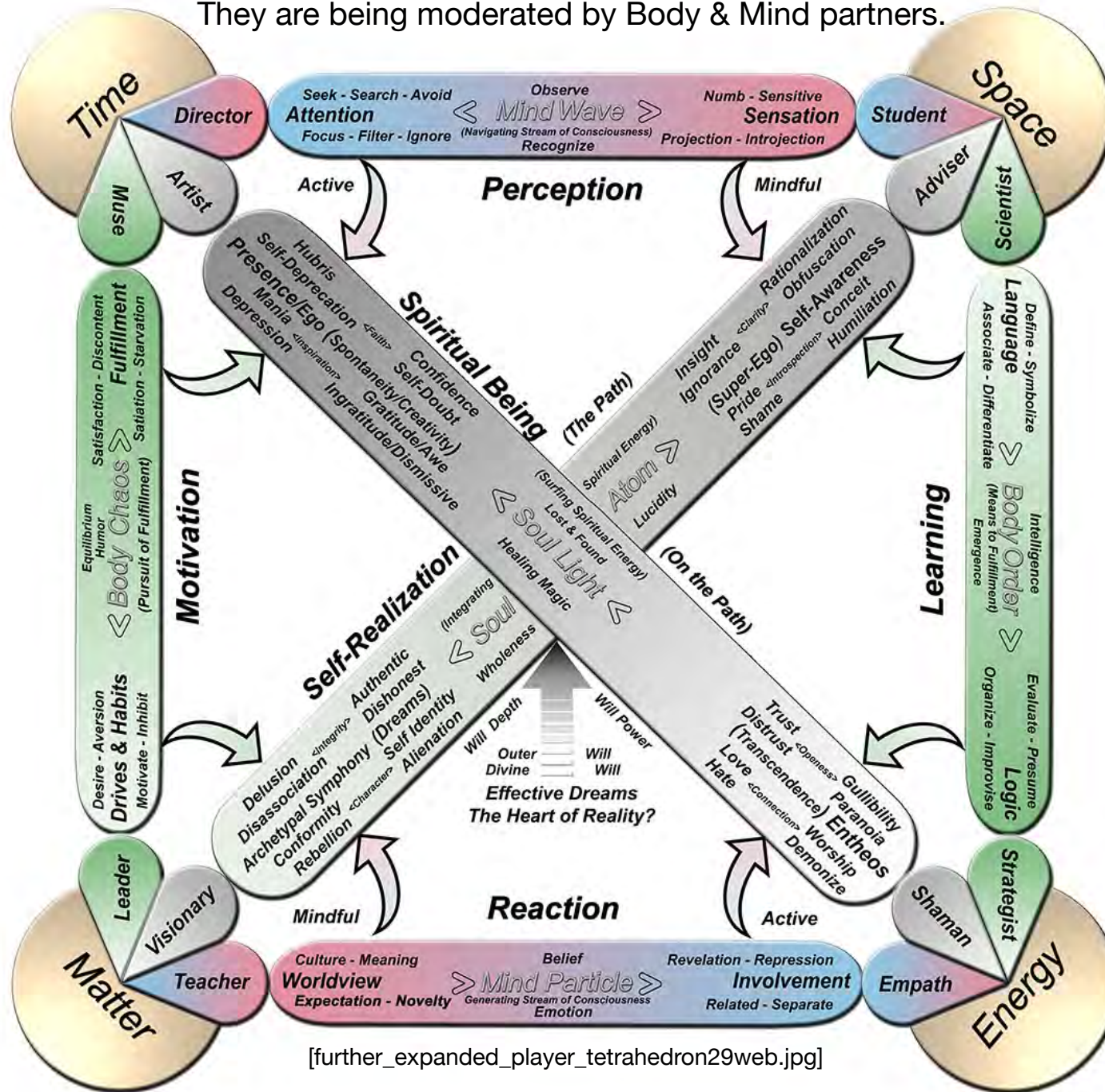
(The Archetypal Characters represent the various core aspects of ourselves.)



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Finally, we add healthy/unhealthy traits.

Notice that the core Soul relationships are primary.
They are being moderated by Body & Mind partners.



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What's Next?

In terms of improving the presentation of the theory, the logical next step is to bring it to life with a story based concept where one could vicariously observe the human ontological dynamics at work.

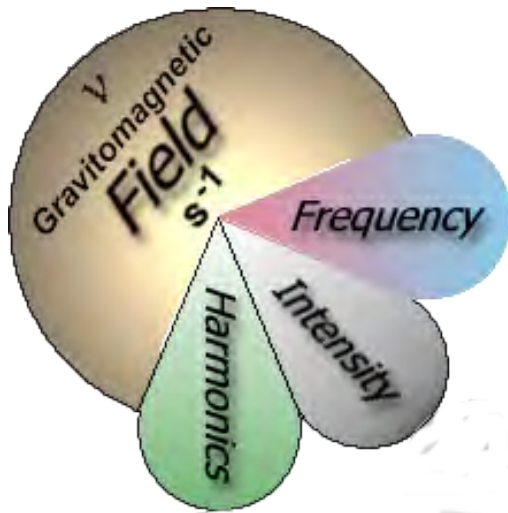
As a dream worker, I feel that if we can use this language as a map and guide to understanding our dreams, that would be a very healthy first step. The dreams provide the stories that are anchored in the mystery of who we are. When we unravel the mystery, we unfold the potential to be our best selves.

Ultimately I would like to develop an educational game that would aid in learning this universal language of human ontology. Perhaps allow the user to customize their own archetypal characters to match their own self-identity and experience.

I have a feeling that theoretically, we are all inherently a version of young Parsifal. Our wounded selves may be different, but we can all share the process by which we journey to our full potential.

So if any of this resonates, let me know at sbrenner@archetype.org.

What about that Pesky Gravitomagnetic Field?



“How wonderful that we have met with a paradox. Now we have some hope of making progress.” Quoted in R. Moore, Niels Bohr: The Man and the Scientist (1967)

A weak GEM force acting within an astronomical context is not supposed to exist within the Quantum Realm. How do we get around this widely held assumption?

I touched on this earlier in that our concept of gravitomagnetic field takes on different forms based on whether it's in the Physical, Mental or Spiritual realm so we don't have to be rigid regarding a single mode of functionality.

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Twins at Birth?

For me, in a most general way, it points to the notion that both mass in motion and charge in motion are just two sides of the same quantum mechanics.

One sign that indicates this is the fact that the only difference between the Planck constant and the Bohr Magneton is the charge to mass ratio of the electron which we also call the Gyromagnetic Ratio. The two constants are apparently attached at the hip and so are mass & charge for the electron.

