

Synergy Physics

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



Any Lessons from the Story of Parsifal and the Quest for the Holy Grail?

In modern physics, the discovery of a Unified Field Theory is considered the “Holy Grail”. Obviously the original quest for the Holy Grail was quite unrelated to our modern scientific ideal. The former a religious quest for eternal salvation as a noble crusader fighting to reclaim the Holy Land, and the latter a purely academic pursuit devoid of any spiritual relevance. From my perspective, in 800 years we’ve gone from one extreme to the next, both lacking genuine humanity.

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. On the surface the purpose of the work was to both motivate crusaders to join the crusades and to inspire them to evolve beyond a secular notion of knighthood.

The gist of the story is that our young knight (Parsifal) is on a quest to learn how to be a holy warrior and to eventually heal the wounded Fisher King (and the country he rules). He goes through many challenges in his education but ends up at the King’s Grail Castle. He’s advised to be sure to ask the right question when he meets with the king. At dinner time, a set of symbolic Christian objects are paraded before the king (one of which is the grail) and the young knight fails to ask the question “Whom does the Grail serve?” or “What ails you?”. While clearly the grail, spear and other objects are laden with the traditional symbols of the crucifixion, I sense some 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 “What ails you” is the conscious self becoming aware within the dream and establishing lucidity and a dialog with the unconscious. So at least in literature, our ancestors could have been aware that self-realization is the ultimate goal in life.

The first alphabet seems to have been developed by Semitic-speaking people in the Middle East around 1700 B.C. This was a revolutionary invention allowing access to literacy beyond a few scribes trained in a myriad of hieroglyphic symbols. The ancient Hebrews became obsessed with the use of language and even described a Language of God “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. Over the centuries we’ve had other paradigm shifts that broadened the access and use of language, from the Gutenberg printing press in 1440, to the invention of the Internet in 1983, to today’s evolution of Artificial Intelligence.

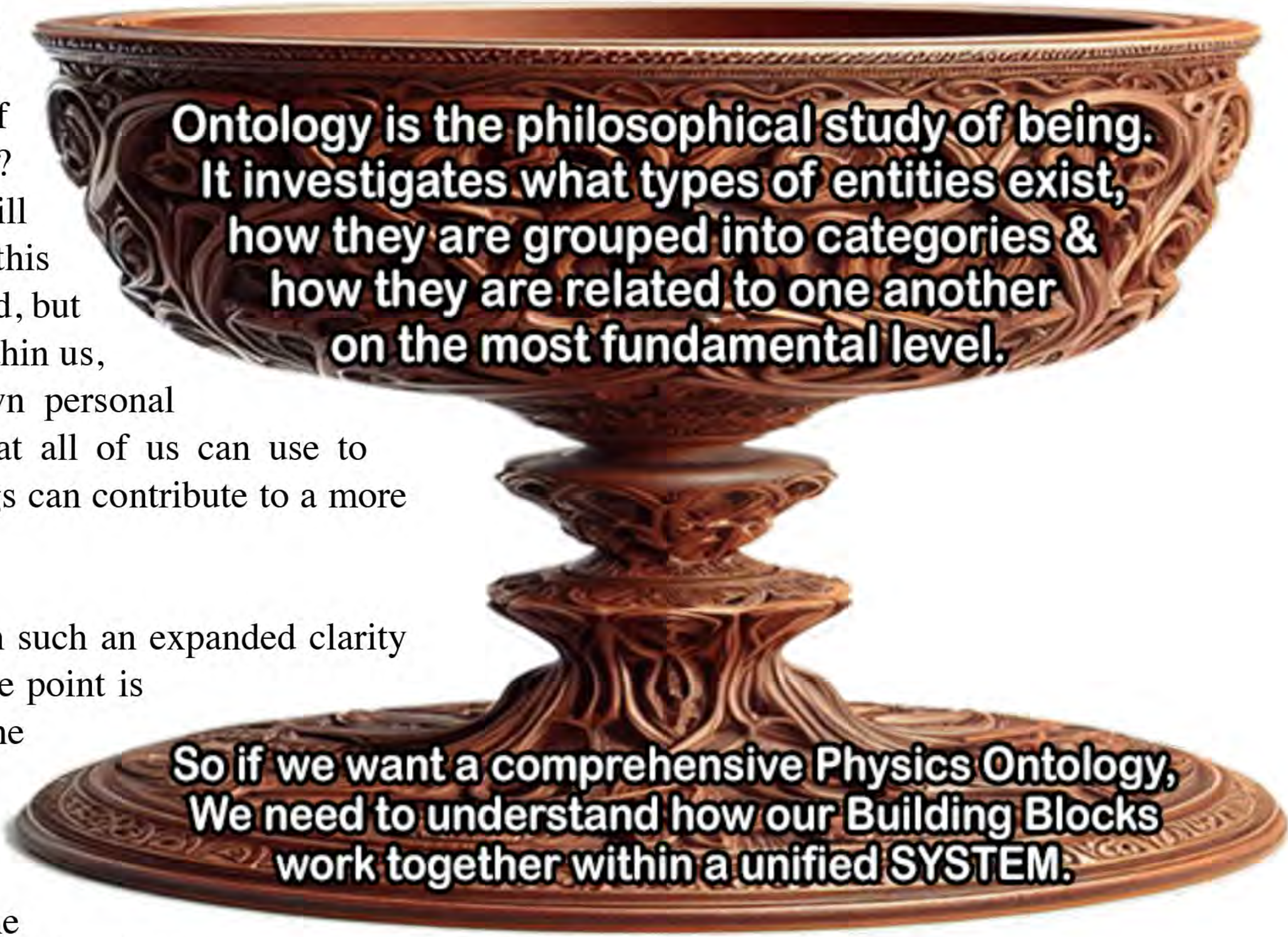
In modern times, in our haste to shed the shackles of religious dogma, western science has embraced an atheistic view of that sacred language called physics. We can applaud the justification for a scientific method but not the scope of the inquiry.



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 their version of god, 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 culture and reality.

It does sound preposterous to propose that one could attain such an expanded clarity and awareness from the just bare physics equations. But the point 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.

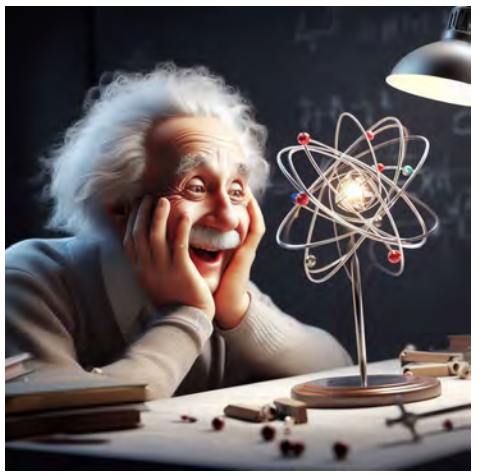


Ontology is the philosophical study of being. It investigates what types of entities exist, how they are grouped into categories & how they are related to one another on the most fundamental level.

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

"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



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!

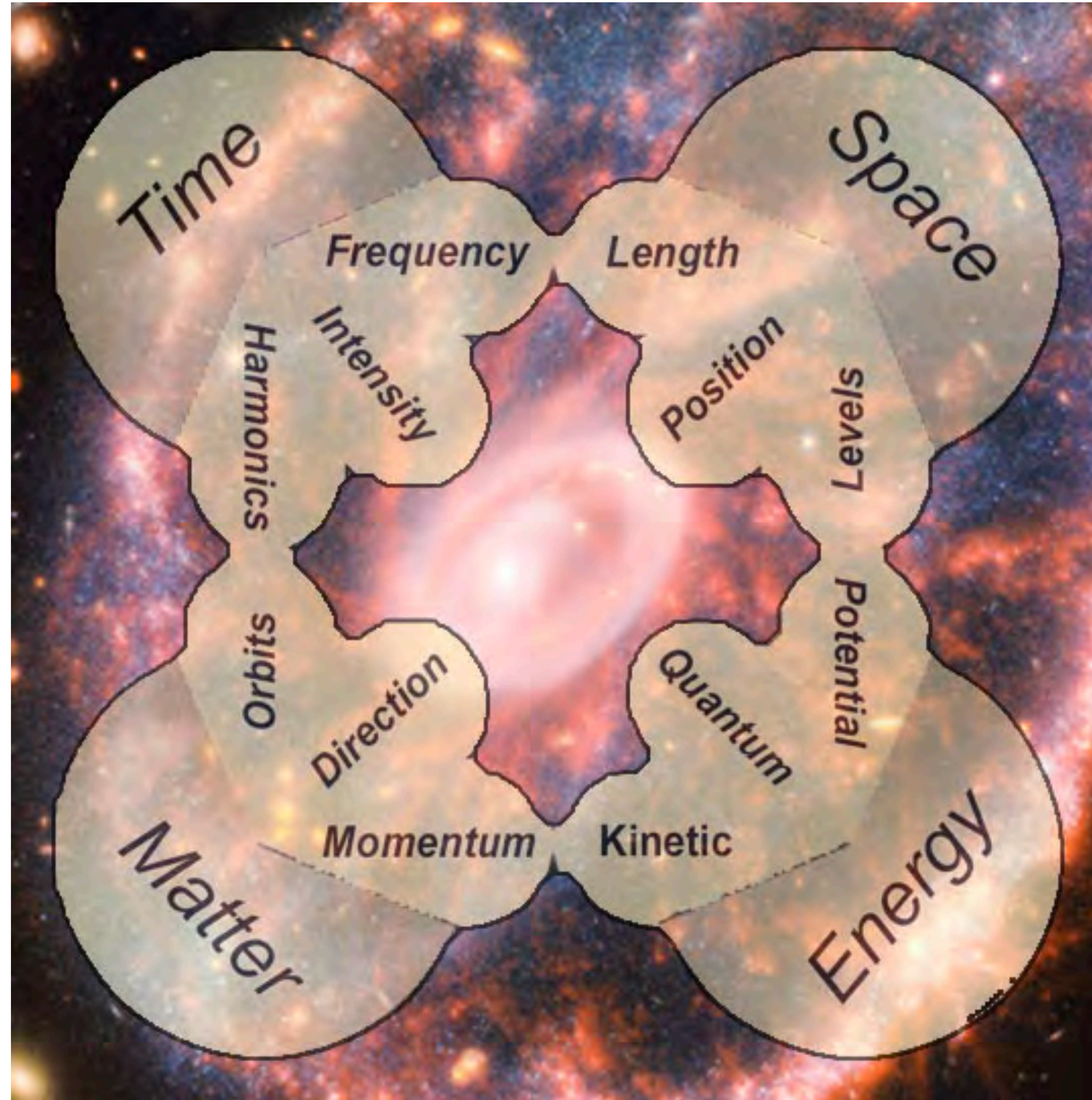


Using the International System of Units

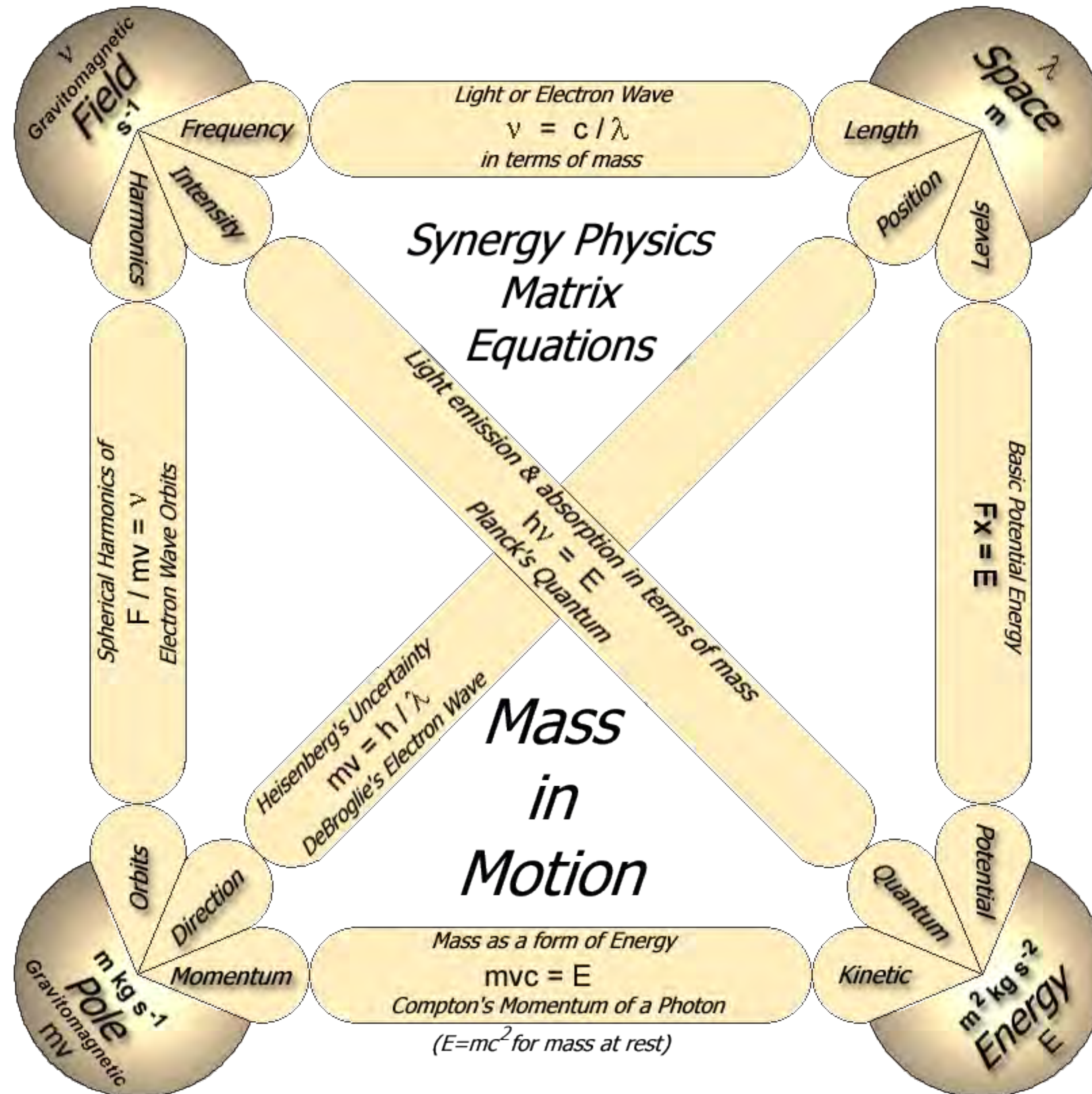


Surely our building blocks must have some fundamental interrelationships...

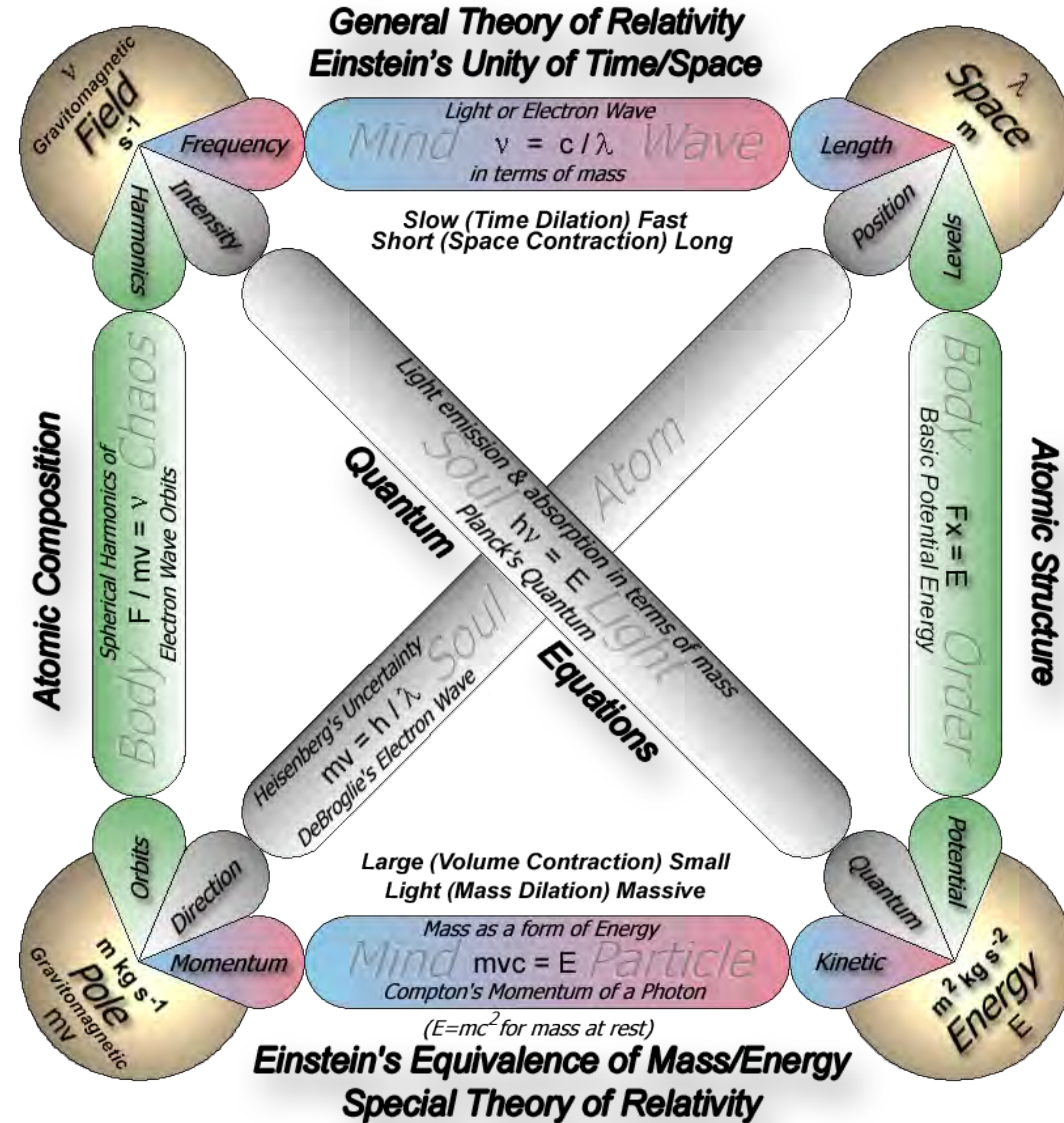
Establishing Matrix Connections



Add the Physics Equations



Unexpected Consequences



Good Grief! The Definitions of Body, Mind & Soul, You Say?!

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 atomic structure and the atomic composition to represent what we consider Physical.

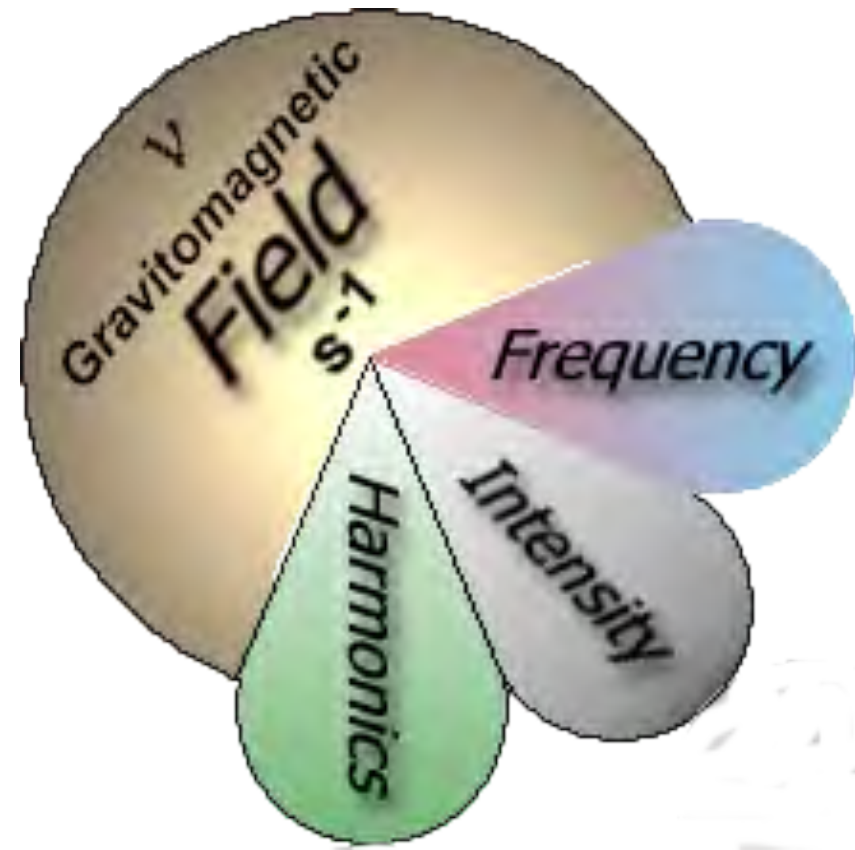
MIND

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 about that Pesky Gravitomagnetic Field?(GEM)?



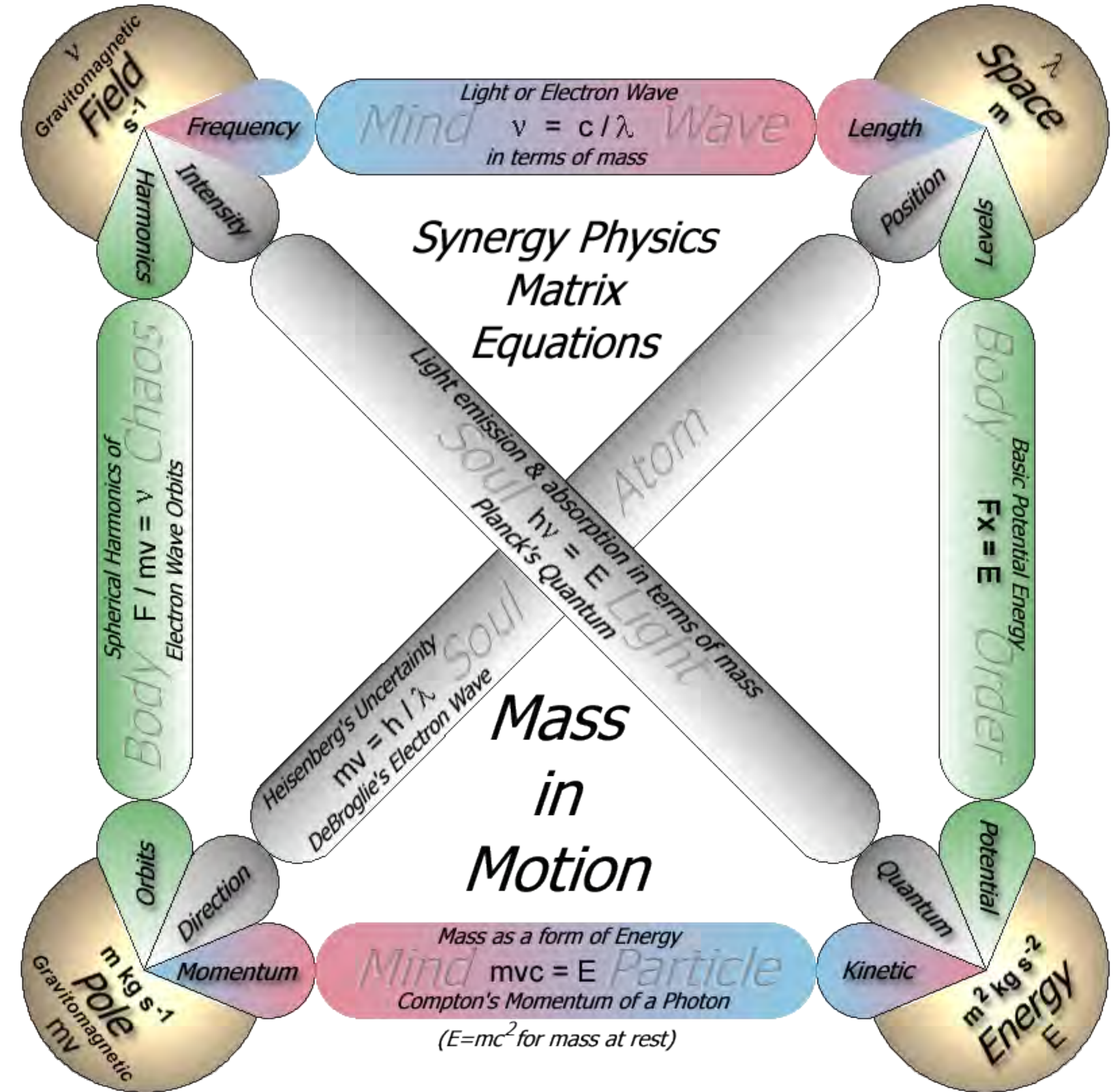
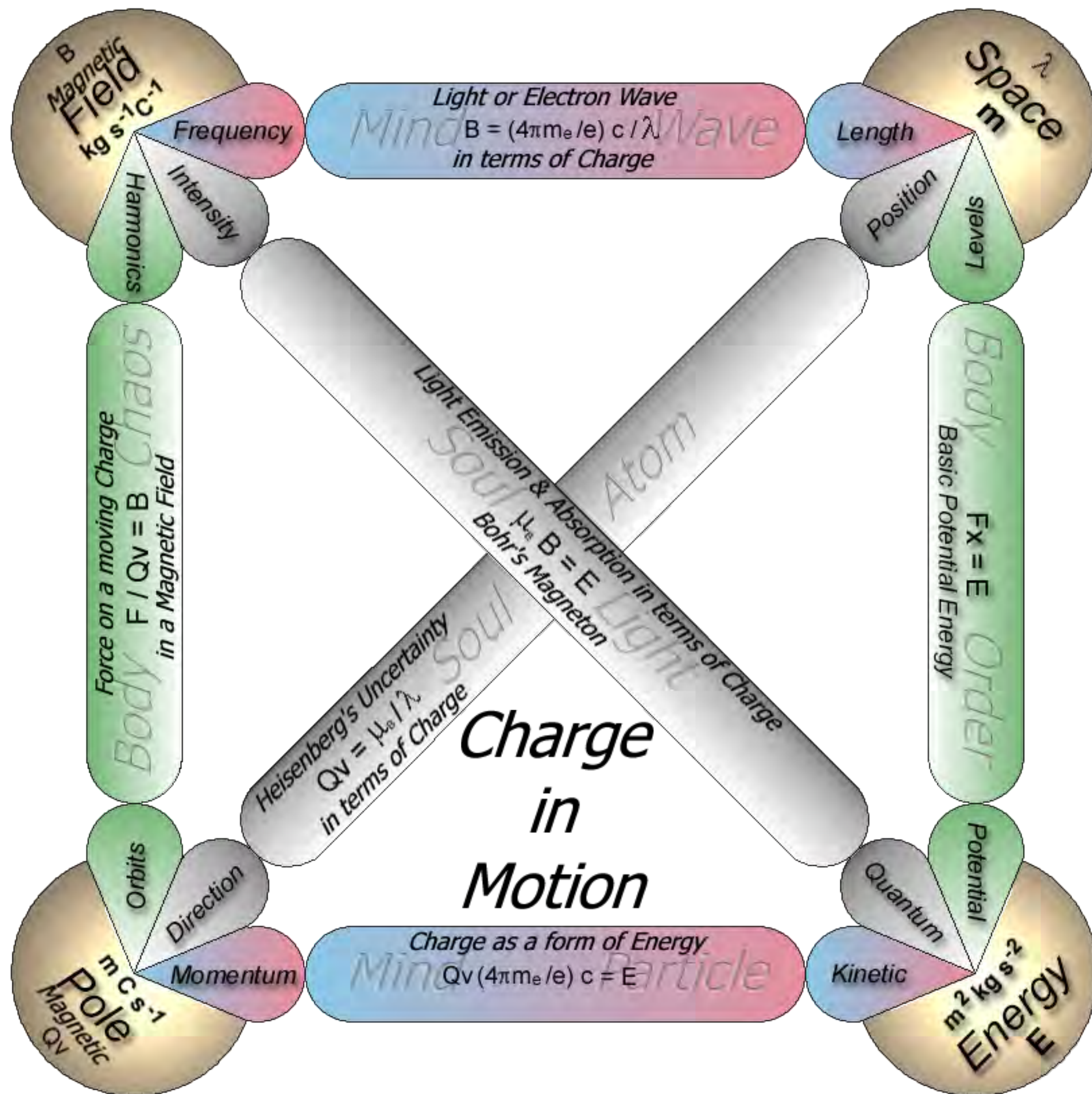
*“How wonderful that we have met with a paradox.
Now we have some hope of making progress.”*

Quoted in R. Moore, Niels Bohr: The Man and the Scientist
(1967)

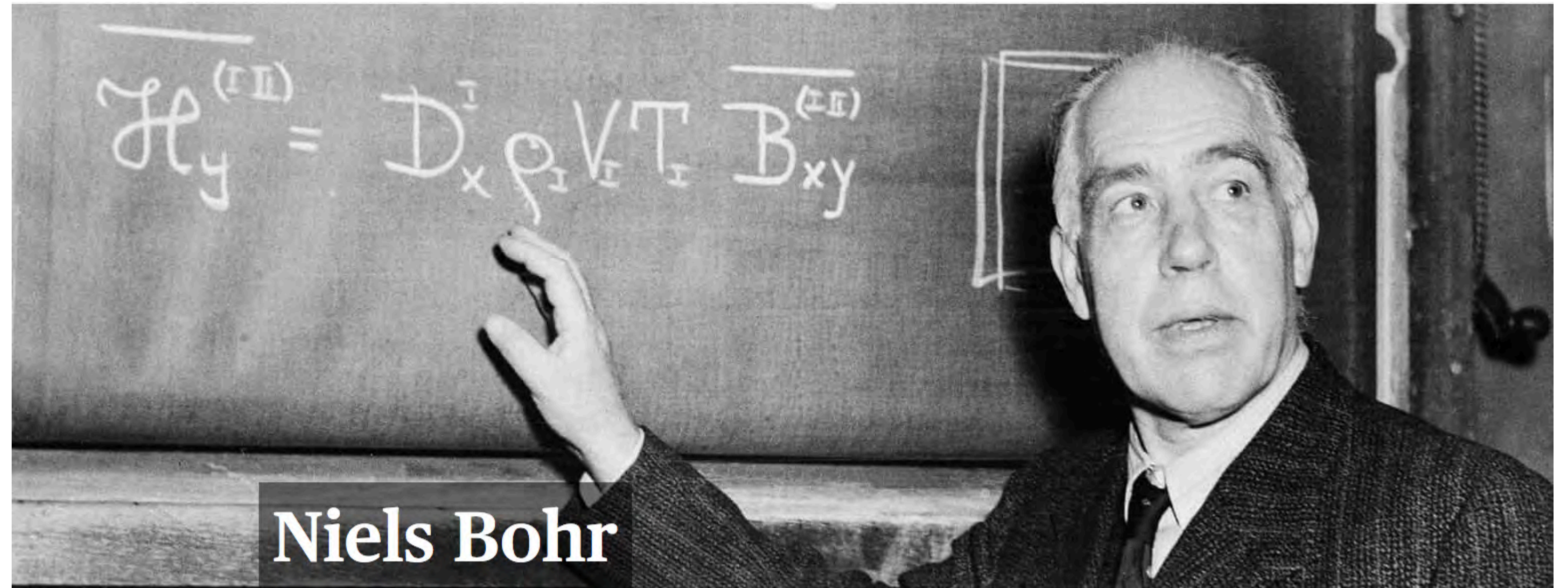
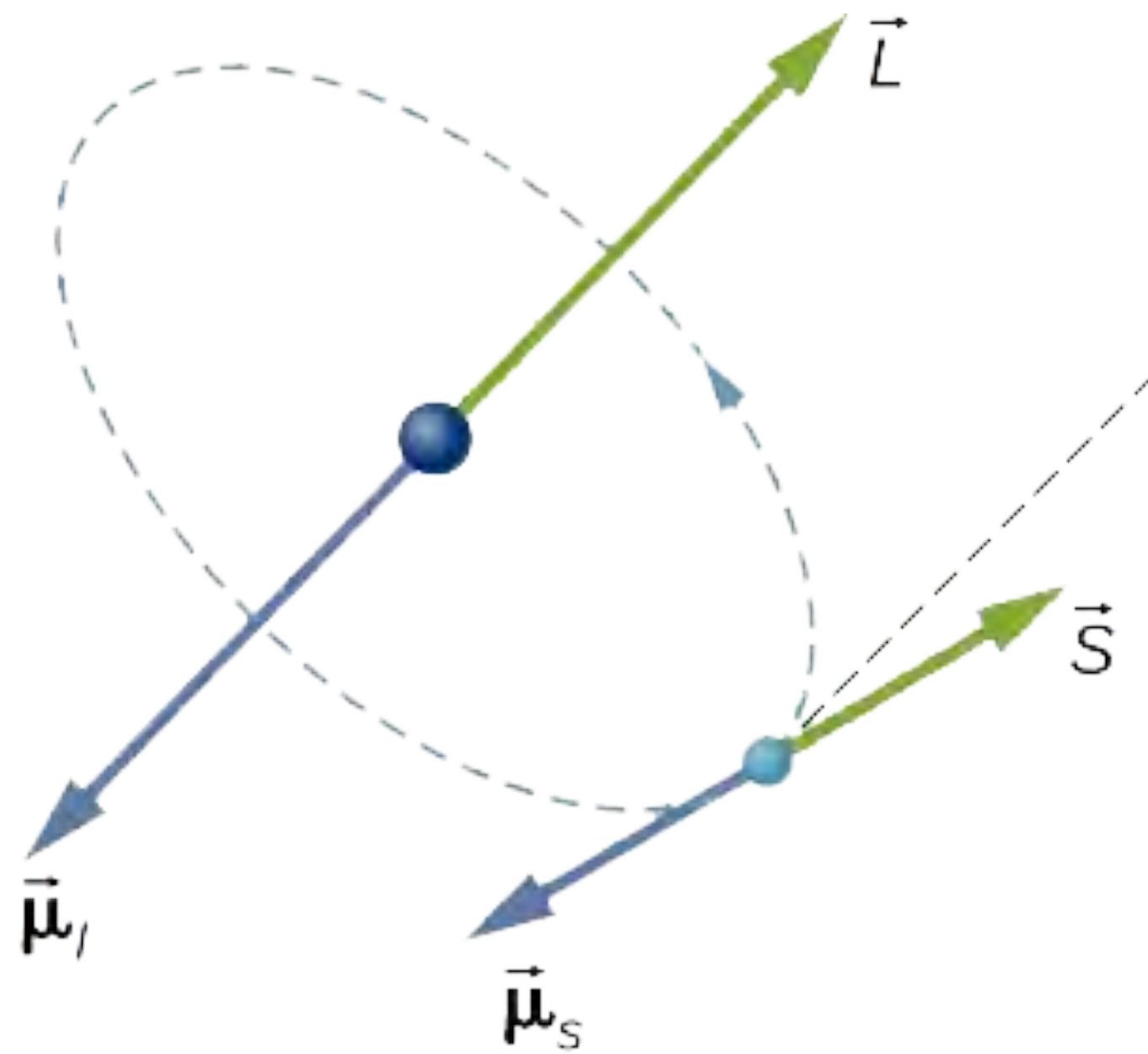
The theory of general relativity states that the observed gravity effect between masses results from their warping of spacetime. So it makes sense that our wave equation is talking about a GEM field/space unity. But when we see it as part of our Planck Quantum Equation, hackles are raised. A weak GEM force acting within an astronomical context is not supposed to exist within the Quantum Realm. How do we get around this widely held assumption?

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.



The mass of the spinning electron creates the angular momentum that controls the shape of the probability density (orbital) of an electron, while the charge creates the magnetic dipole moment that determines its orientation. These are core quantum phenomena that work in unison. According to the laws of quantum mechanics, spin angular momentum is not only quantized in magnitude, but in orientation relative to the z axis in physical space. Therefore, the vector representing spin can only assume certain orientations relative to the z axis in spin vector space. How can we ignore the effects of gravitomagnetism at the quantum level...?

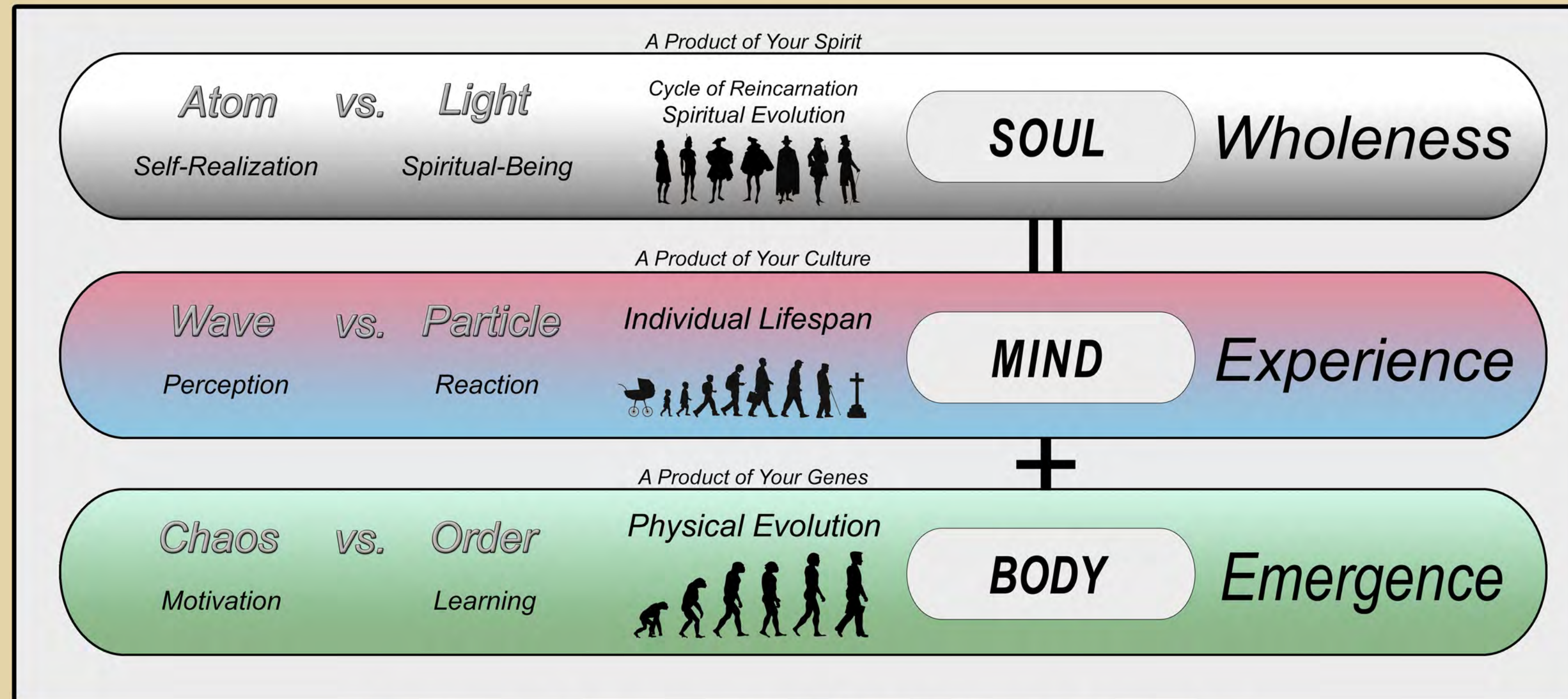


Could our paradox lead to some fascinating implications about the nature of space/time and the unification of General Relativity & Quantum Mechanics?

We just need to ask the right questions.

According to Synergy Physics, the overriding mechanism described in the system is
 Einstein's PhotoElectric Equation
 that states Quantum Energy is the product of Potential Energy and Kinetic Energy.
 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
 $Quantum\ Energy = Kinetic\ Energy + Potential\ Energy$

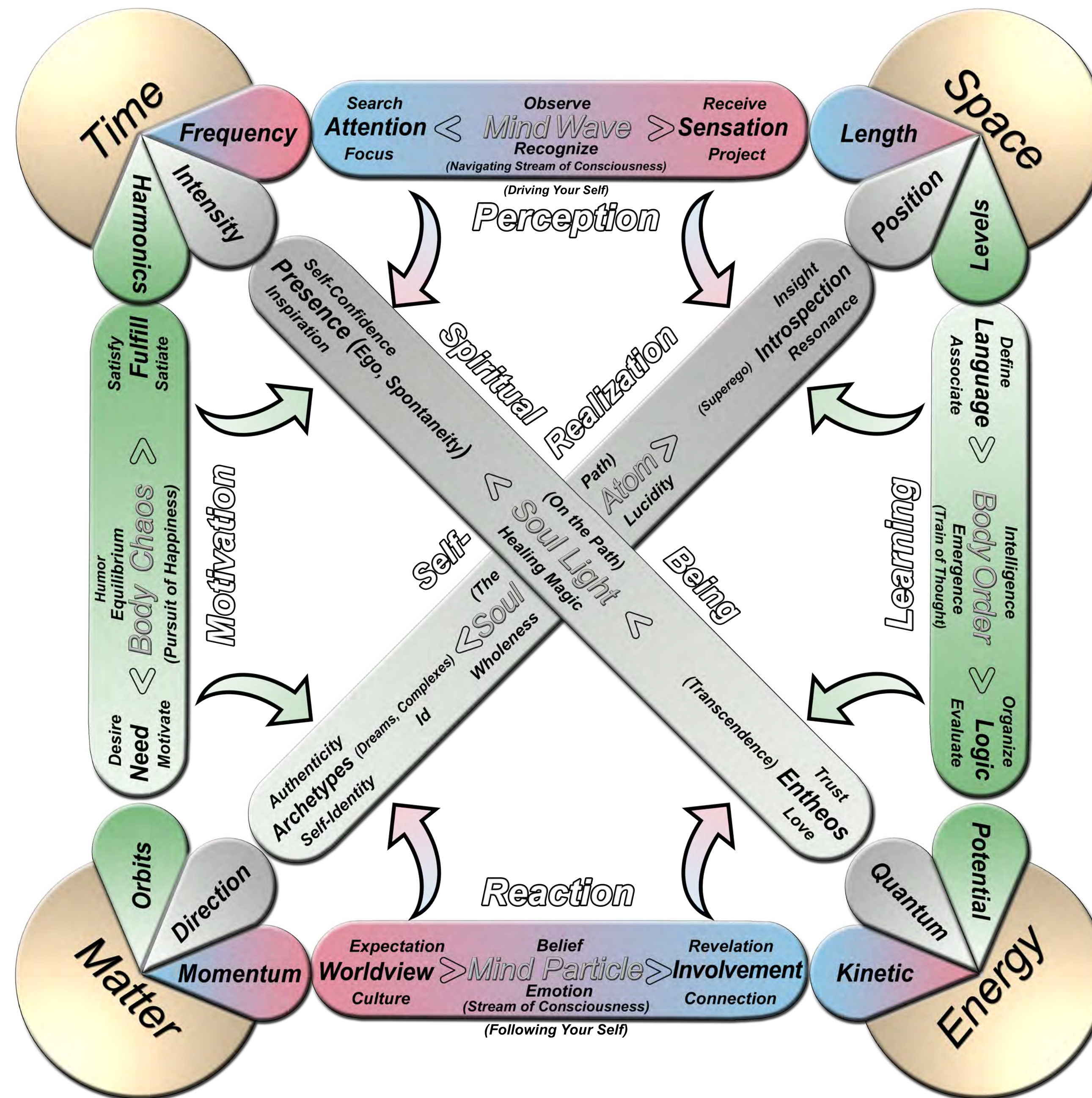
Those same relationships expressed as physics equations in our core Synergy Matrix would have their corollaries in a Metaphysical Matrix that more clearly describes how we operate as human beings. It would describe the relationships and transitions between our Physical, Mental, and Spiritual aspects. And I can't help but think that if we had that kind of ontological map it would massively expand our potential for self-realization.

That's a pretty tall order, but if we don't even open ourselves up to the potential, how will we ever get anywhere close to fulfilling it?

Some Background on my Quest...

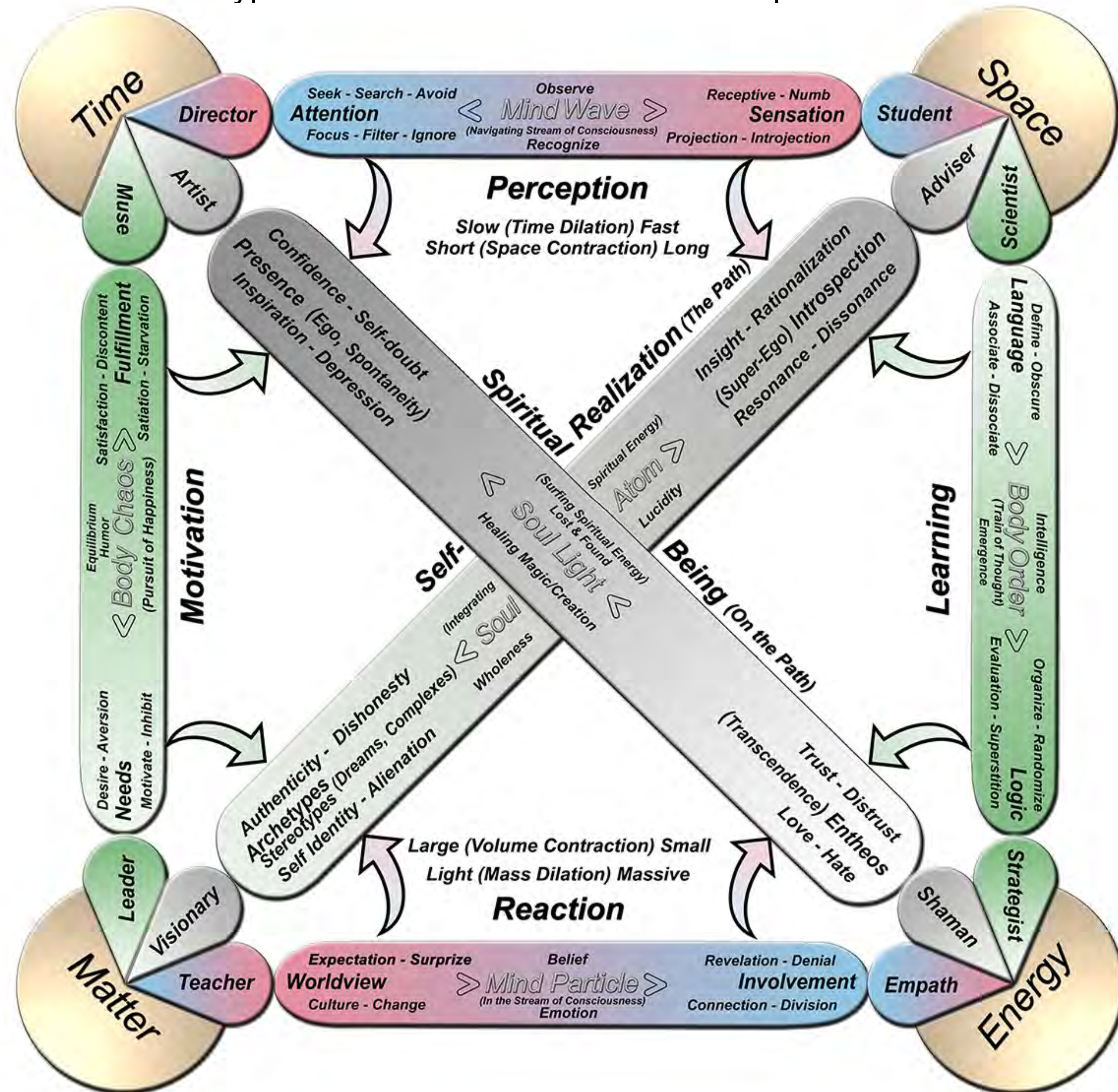
Back in 1968, when I was a young student at U.C. Berkeley, I had a notion that there was some kind of universal matrix that could chart out the archetypes that define our human condition. This vision was in the realm of an advanced psychological map that would carry on the work of C.G. Jung. I worked on that theory for several years with very little success but felt that the germ of the idea was still valid. I finally came to the conclusion that if I could better understand the core interrelating concepts in Physics, that same framework of relationships might be mirrored up the evolutionary hierarchical levels of organization to the human level in a new more meaningful Metaphysics. Over 50 years later and a lot of meditation, I've developed that Metaphysics. It's still a work in progress but is ready for collaborative enhancements.

Now we can view the matrix with metaphysical correlates.



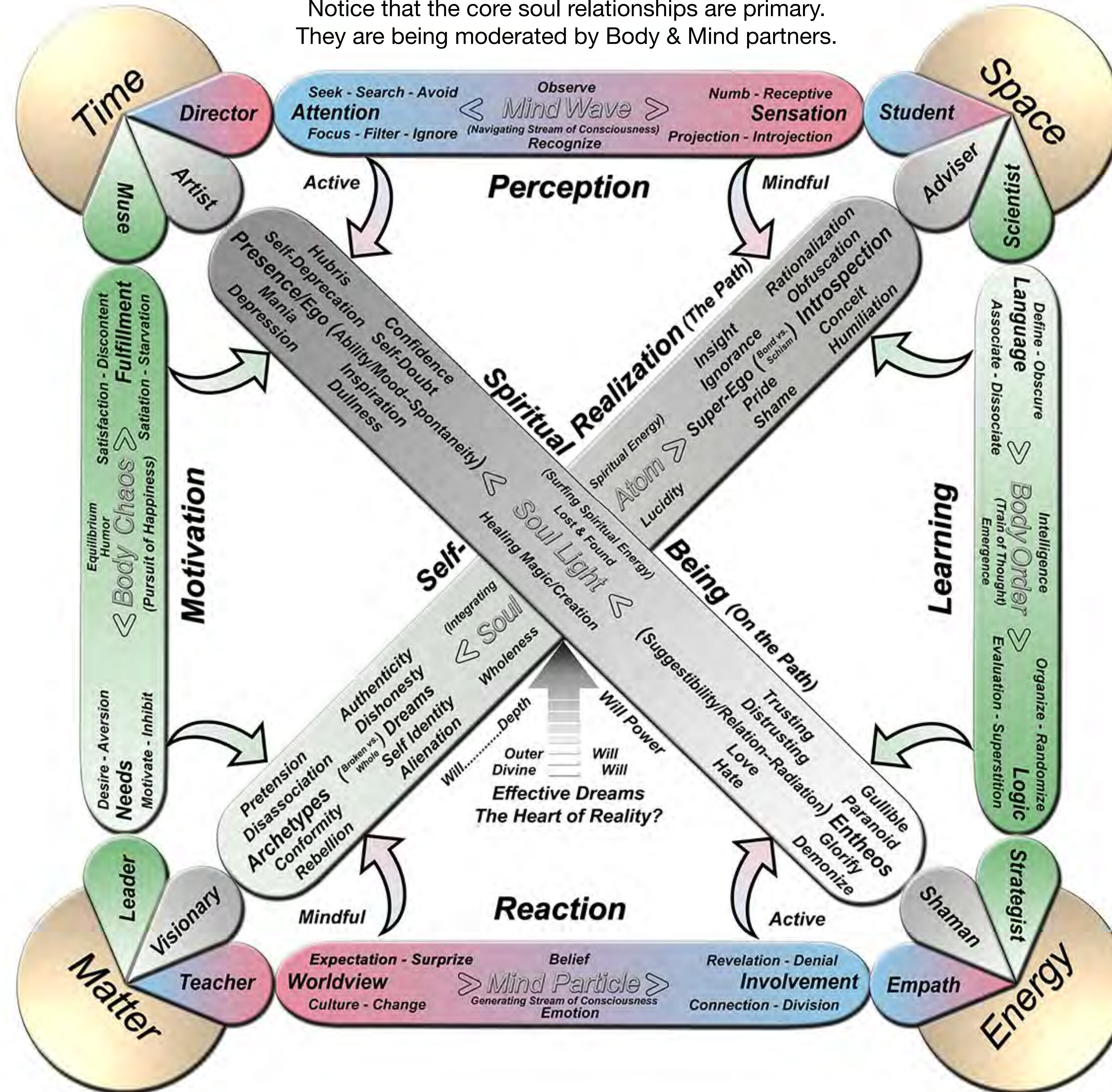
We expand with plus/minus and add Archetypal Characters.

The Archetypal Characters are the different aspects of ourselves.



Finally, we add healthy/unhealthy traits

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



What's Next?

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 our best selves.

In terms of improving on 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.

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.