Radiation Mass and the Mind-Body Wave-Particle Duality

In Lake'ch - I am another yourself!

Welcome to the Book of the Mysteries located in the treasure chest of Abba the little serpent and Love Dragon of the Logos Mathimatia.
A Pandorian Box in this treasure chest has been opened to allow you to become privy to the reason and purpose of an old historical perceptional dilemma known as the Body-Mind duality.

The Mind-Body Duality is a Wave-Particle duality and as such is related to quantum mechanics.
The Mind-Body Duality is also a description of the 'invisible' nature of mind and thought and soul and consciousness and similar labeling as related to the 'visible' nature of material substances, such as chemical elements and biochemical molecules constructed from those chemical elements.

The duality of Mind-Body so has been experientially known by living creatures since the dawn of time; but the scientific descriptions of the Wave-Particle in terms of mathematical equations and theoretical models of the quantum physics had to await a certain evolution of vocabulary for an alternative 'scientific' description to become possible.

The nature of physical death and the cessation of the 'spirit of life' allowing a self generated dynamic for the 'visible' body form so became experienced and shared as the 'mystery of death' by the sentient creatures in a universe defined in the parameters of space and time.

'Where did the 'lifeforce' of the body go to?', a caveman might ponder, as his companion fell off a cliff during the mammoth hunt.

Attempts of reawakening the companion's 'corpse' proved fruitless and after some time, the carcass began to decompose and it proved expedient to bury or burn the lifeless collection of atomic elements for reasons of sanitation and self-preservation.
Can it ever be possible to 'reanimate' such a carcass, after the 'lifeforce' has left the previously bio vital body form?
To reanimate, the nature of the 'lifeforce' or the 'spirit of life' must be understood and its relationship to the atomic elements defining the chemistry of the inorganic to the biochemistry of the organic.

The science of chemistry reduces to the physics of electron configurations as the definition of the periodic table of the elements.
This atomic physics becomes finetuned in the subatomic supersymmetries between the electrons as negative Coulombic charge carriers and the positively electrically charged nuclei of the atoms under consideration.
This subatomic physics of a quark-lepton supersymmetry and as a half spin fermionic particle-wave Maxwell-Fermi statistic is however a derivative from a full spin bosonic wave-particle Einstein-Bose statistic.
The full spin bosonic eigenstate is massless, whilst the half spin fermionic self-state is inertial.
The supersymmetry between quark and lepton as fermionic inertia carriers is the interaction between the fermion as a 'particularised wave' or particle and the boson as a 'waved particle' or a wavicle.

Before the parameters of space and time were 'born' in a Quantum Big Bang; no fermionic inertia carriers existed and the templates for mass were linked to bosonic precursors encompassed in a spinless or scalar Higgs Boson.
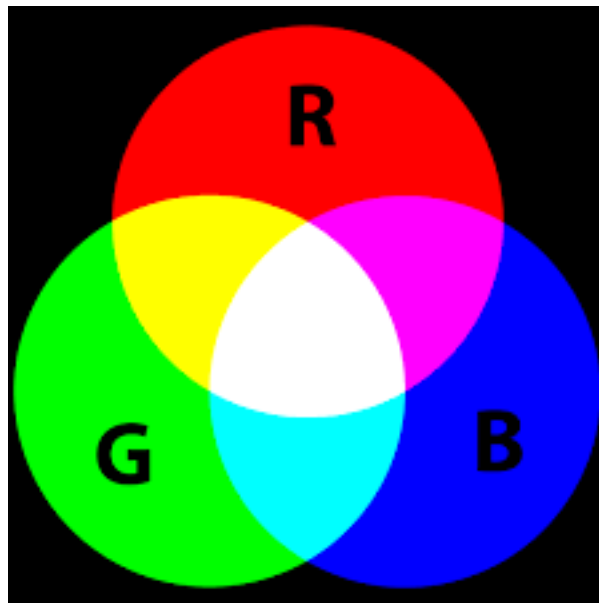The Higgs Boson became a necessary wavicle to interact with other wavicles, known as gauge bosons and engaging a five folded supersymmetry between 'elementary interaction forces' known as long range electromagnetism and gravity and shortrange quark-strong-nuclear and lepton-weak-nuclear interactions.
The long range interactions unify in a gauge photon and a gauge graviton and the shortrange interactions unify

in a gauge gluon and a gauge antiphoton respectively.
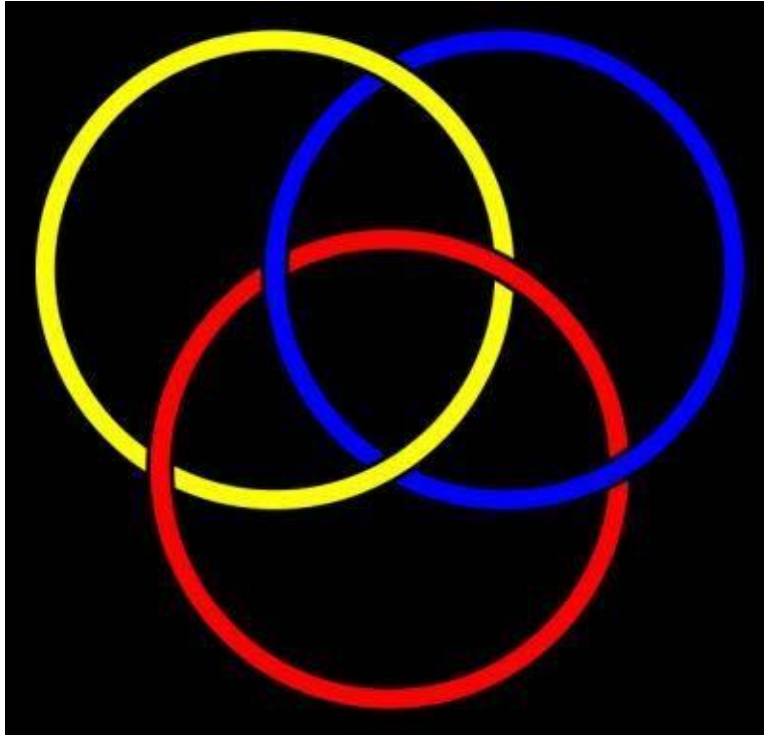All of these four gauge bosons are massless.

The gauge photon and the gauge gluon are the same wavicle, differing in their nature as being long range in Electromagnetism and being shortrange in the Strong Nuclear Interaction.
Corollarily, the gauge graviton should be the same wavicle as the gauge antiphoton; were it not for the manner the four interactions emerged from a prior unified interaction a priori.
The primal interaction was between a single gauge wavicle with itself and gave a one sided manifold in 2 dimensions a two sidedness in the projection of a 3rd dimension.

After the 3rd dimension became 'real' in concept, a distinction between gauge and antigauge could be made as a hitherto unified wavicle of the Oneness.
The gauge photon and the gauge antiphoton so interacted in quantum relativity, enabling the two sidedness to manifest state and antistate in 3D from the unity of the one sidedness of the dimensional reduction of 2D.
This interaction of state and antistate then created complementary states and antistates, which can be labeled as matter YCM and antimatter MCY in definitions of permutation cyclicities of energy-mixes and where Y=Yellow; C=Cyan and M=Magenta in an arbitrary labeling of 'Colour-Charges', which can also be defined as 'Magneto-Charges'.
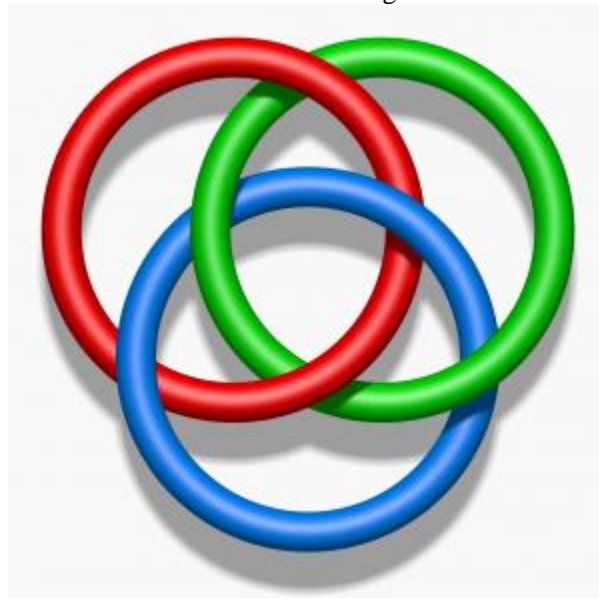
The YCM and MCY wavicles are all massless and bosonic as a secondary triplicity of neutralization.
Y+C+M=0 as a secondary manifestation from the primary manifestation R+G+B=0 and where R=Red; G=Green and B=Blue define the gauge photon RGB and the antiphoton BGR.
In the Two sidedness of a 2-dimensional boundary embedded in 3D, the RGB(+) becomes distinct from the BGR(-1) as the gauge-antigauge duality.
The selfinteraction relative to the plus becomes RGB+RGB=YCM(0); which is BGR+BGR=MCY(0) relative to the minus.
The plus (+) arbitrarily describes a clockwise chirality or righthandedness and the minus (-) its opposite left handedness or sense of anticlockwise rotation.
The two sidedness so becomes necessity for the matter and the antimatter templates to be manifested.

Complementary Color Triplets R+C=G+M=B+Y

Borromean Rings

However the 'mixing' of RGB with BGR does not create the YCM-MCY duality in One sidedness, as here the spacial symmetry of 2D reverses the permutation cyclicity in order and the quantum relativity crystallizes a string-antistring template (R+B)(GG)(B+R)(0)=MGGM(0) or CRRC(0) or YBBY(0) and relative to either of the 'sources'.
This will become the foundation for the Vortex-Potential-Energy or VPE of the Zero-Point-Energy for the Metric Heisenberg Virtual Energy or Vacuum background following the birthing of space and time and matter and following the 'template string phase' of the cosmogenesis.

Mixing RGB with RGB in Two sidedness so becomes a quantum relativity between Two Sources, which are actually just One Source.

We label the gauge photon as RGB and relative to RGB the gauge antiphoton in One sidedness will also be RGB, however with opposite quantum spin or chirality.

Mixing RGB with RGB in such manner will create the YCM matter and MCY antimatter wavicle blueprints in say the 60-120 and the 240-300 degree coordinates respectively.

Following the creation of the matter-antimatter massless templates, the fundamental sinusoidal waveform could repeat indefinitely with inflexion points at 180 degree intervals; or one of the Sources could redefine itself as a Sink in quantum relativity.

We define the Gauge Photon as RGB(+1) with string energy quantum E* and spin quantum +1 and term this the Source-Sink, as in the One sidedness No Separation between Source and Sink is possible.

In the Two sidedness we define the BGR(-1) to be the Sink-Source with energy E* and spin quantum -1.

We next form a new duality between Source and Sink as String modalities under particular mathematical properties of inversion and reflection.

Namely we set the Sink-Source to Separate from the Source-Sink in a 'Breaking of the Supersymmetry'.

The Sink string becomes defined in the template BGR(+1) after the completion of the fundamental wave harmonic, spanning 360 degree coordinates.

So at the repeat cycle at 0 degrees, both Source RGB(+1) and Sink BGR(+1) carry righthanded quantum spin and so 'for the first 'time" the sinusoidal harmony of integral spin angular momentum conservation is violated.

A Tertiary Source Sink string must now come into existence to Reharmonize or to renormalize the scenario.

This tertiary gauge is called the Gauge graviton with double lefthanded spin quantum: BGR(-2).

The 'Unified Gauge Field' so consists of:

Gauge Photon RGB(+1) for Electromagnetic Interaction (EMI) with Energy E* as the long range source gauge.

Gauge Graviton BGR(-2) for Gravitational Interaction (GI) with Energy E* as the long range sink gauge.

Gauge Gluon RGB(+1) for Strong Nuclear interaction (SNI) with Energy E* as the shortrange source gauge.

Gauge Antiphoton BGR(-1) for Weak Nuclear interaction (WNI) with Energy E^*/f_{ps}^2 as the shortrange sink gauge.

The Modular Duality between the source string E_{ps} and the sink string E_{ss} can be expressed as two coupling constants:

$h^2=E_{ps}.E_{ss}$ and $f_{ps}^2=1/f_{ss}^2=E_{ps}/E_{ss}$ with the effect that $E^*=E_{ps}=(f_{ps}^2)E_{ss}=(hf_{ps}^2)/m_{ps}.c^2$.

The self-energy of the original gauge antiphoton was E*, but has been 'given' to the Gluon to allow the duality of long range and shortrange interactions to manifest in a subsequent creation of spacetime and the 'inertialisation' of the massless matter- and antimatter templates in a 'Higgsian wavicle mass induction', characterised by the inertial string mass $m_{ps}=E_{ps}/c^2$.

The intrinsic energy for the Graviton is likewise E*, is however coupled to the manifestation of the inertia of the YCM and MCY templates 'energized' by the Higgs Induction.

The overall 'Unified Field' gauge harmonisation now becomes a long range VPE-interaction between the EMI and the GI and a shortrange VPE-interaction, coupling the SNI to the WNI.

EMI+GI creates VPE(-1) and SNI+WNI creates VPE(+2) in a neutralization of the string-antistring gauges, but a not a negation of the respective quantum spin eigenstates.

To obtain VPE(0), the PRECURSOR Higgs Boson must next be defined in a matter-YCM coupling.

This precursor is a doubled- or squared YCM-template and because the nontrivial solution for the quadratic $x^2=2x$ is x=2.

We call this the Rest Mass Photon or the RMP(-1)=$(Y^2C^2M^2)$(-1).
From the RMP, the Higgs Boson or HB(0) emerges as a Fermionic Double state in the form of a Bosonic Dineutron $\{(YCM(½)\}^2$ and where the separated unit-neutrons or ylem neutrons or Proto-Neutrons carry opposite chirality or spin orientation or handedness.

As all neutrons carry inertia, the massless YCM(0) template 'Doubles' or 'squares' itself in the RMP(-1) in conjunction with a massless MCY(0) antimatter template associated with an Anti-Higgs-Boson precursor RMP(+1).
Because of this 'squaring' the existence of antimatter in the Quantum Big Bang is Suppressed.

This suppression also renders the materialization of the Anti-RMP $(M^2C^2Y^2)$(+1) and so of the Anti HB(0) superfluous.
The place of antimatter is taken by the 'doubling' of the proto-neutron in analogy to the graviton substituting for the primordial antigauge photon in the pre-inertial cosmogenesis.

This occurs in conjunction with the requirement for a lefthanded fifth gauge wavicle in the RMP(-1).
The overall 'Unified-Field-Gauge' harmonisation now manifests in a long range VPE(-1); and a shortrange VPE(+2-1) and reharmonizes the conservation laws in a now necessary COUPLING of the shortrange interaction to the inertia carriers in the form of the matter blueprint YCM(½).

With this introduction to the gauge string quantum physics, the wave-particle and mind-body dichotomy can now be reanalyzed.
A particular BODY is defined in YCM(½), meaning that an atomic structure manifests a charge neutral body where the constituent particles are 'harmonised' in an equilibrium between positive and negative Coulomb charges and in the angular quantum spin momenta associated with those particles.
The 'Unified Field' is however defined in the 'Missing Energy' of the RMP(-1) to renormalize the gauges required for the conservation laws to hold and so the RMP(-1) can be utilized to define the difference between a 'lifeless' atomic configuration 'carcass' and the 'Missing Source Sink String Energy'.

The RMP(-1) so is defined as the 'Particle of the Mind' or the 'Wavicle of the Mass'.

When the 'Life-Energy' of a body departs or disassociates from the body, then the 'Electrocharged Life-Electricity' which had invigorated the body becomes a 'Magnetocharged Electromagnetic Field' and as a collection of RMP's defined in individualised Frequency Eigenstates.

And because all Bosonic RMPs, when associated with bio vital bodies are coupled to the YCMs of individualised Fermionic elementary particle configurations in quark-lepton duality through the YCM-colour- or magnetocharged sourcesink energy definitions; the say Memory Energy of Experience in the nature of physicalized consciousness of the RMPs will become storable and definable in the terms of the E* definitions of the Massless gauges.

Is there then an alternative way to Reconstitute the massless Memory or parts thereof; besides a kind of recycling, rebirth or reincarnation of that Memory, stored as magnetocharged electromagnetic field into a new body, say from conception to gestation to embryonation to birth?
The question becomes one of Resonance!
Can the self-energy of the Source-String be attained?

Should the RMPed electromagnetic structure be able to resonate at the E* energy level, then the RMP(-1) bosonic gauge could Mix with the RGB(+1) source-photonic gauge and a Tertiary new colour charge spectrum would become created.

In particular RGB(+1)+$Y^2C^2M^2$(-1)=RYY-GCC-BMM=OY-TC-IM as a Left Boundary for Resonance and

where O=Orange, T=Turquoise and I=Indigo.

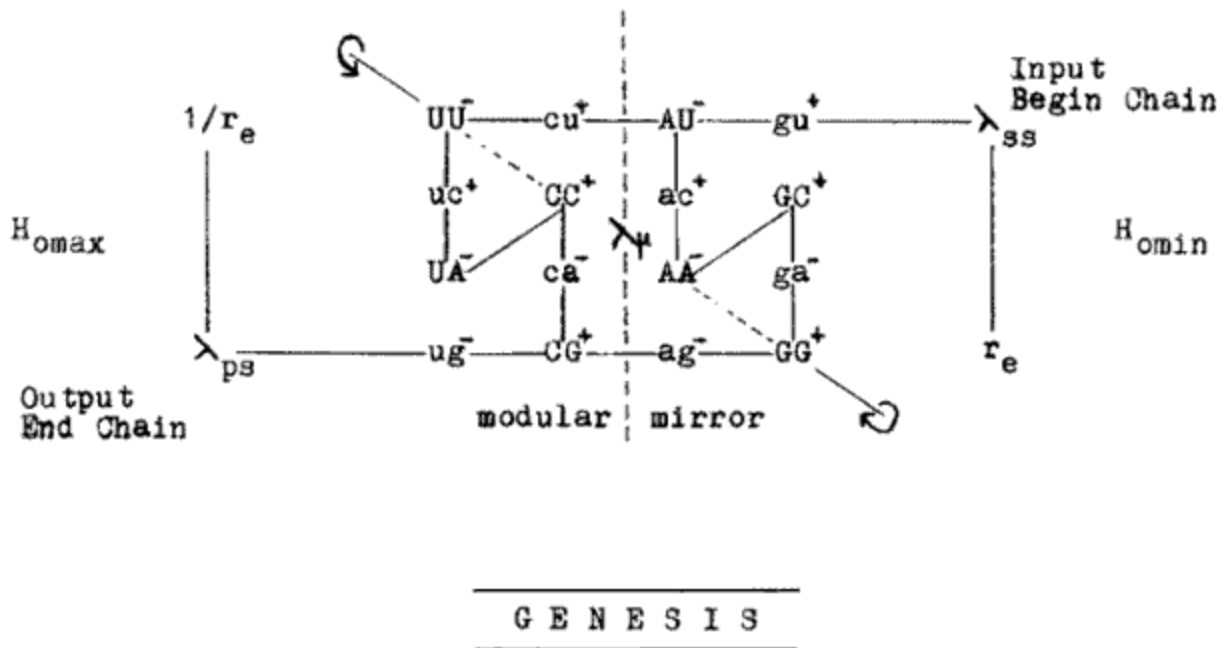The Right Boundary for Resonance is: RMM-GYY-BCC=VM-LY-AC for V=Violet, L=Lime and A=Aqua.

The Full Resonance and the creation of Radiation Mass as the hybrid eigenstate for energy gauges RGB and YCM is attained as: RCC-GMM-BYY=WC-WM-WY for W=White=R+G+B via radiation formulation E=hf as the radiative energy eigenstate and linked to the inertial energy eigenstate $E=mc^2$ as the Black- and Higgs induced energy self state.

This Radiation Mass comes into existence, provided a resonance between the 'Mind Particle' of the body form with the Source gauge photon can be attained.
Attaining such source resonance, will allow the tertiary colour charges to exchange spin between the RMP(-1) and the YCM(½) templates in conjoin with the antiphotonic gauge BGR(+1).

As the weak nuclear interaction only couples to left-handed matter templates in a phenomenon known as the nonparity of the weakon interaction; the resulting Radiation Mass templates become redefined in the gauge $Y^2C^2M^2$(½) via the original antiphotonic and suppressed gauge BGR(+1) becoming scalar in BGR(+1-1)=BGR(0) and assimilating the bosonic lefthanded and weakonic RMP spin.

The 'RMP-Field of the 'deceased' is defined by electromagnetic frequencies and are modulated in magneto inductive L-factors and electro capacitative C-factors, coupled to an intrinsic Resistance or Inertia-Grounding. The circuital elements link physically to DNA elements in the form of sexual chromosomes and where the magnetic effect links to the positive polarization and the electric effect links to the negative polarization of nucleotide base pairings, albeit both in self- and in mutual induction feedback loops in a form of cross-coupling.

GENESIS

The so called 'spirit of life', which invigorates the body becomes a form of Natural Electric Current, which does not require any inertial medium to propagate in.
The natural space-inherent electricity of life is by nature superconductive and reduces the normal wire-

medium based electricity (I=dq/dt), given as the flow of Coulombic charge (q) over time to a source current defined in I=2N.ef and where the Coulombic charge quantum 'e' becomes a coefficient in a differential equation reduced from order two in normal electricity to order one in its natural electric counterpart and where N is an integral count.

A body so becomes analogous to the hardware structure of a computer, carrying interacting elements which allow frequency modulations in magnetic inductors, electric capacitors and resistors. Just as electric energy must be provided for the computer hardware to function in the form of normal electricity, so must a bio vital body be supplied with natural electricity to be 'alive'.

It is the energy stored and processed in the natural electric circuitry, which defines the Memory of Experience, linked to Consciousness; the latter as a form of angular acceleration acting upon a volumar of space.
This Consciousness then becomes defined in the Magneto-Charges and as the Inversion Energy of E* in the modular coupling between the Source string and the Sink string.

The Source string is long range gauge photon with the shortrange gauge gluon and the Sink string is the long range graviton with the shortrange gauge antiphoton; the latter coupled however to the RMP, due to the suppression of the antigauge.

Overall, the question of consciousness so becomes a manifestation of the RMP in a unified state of string energy, either as resonating self-state of Radiation mass as a hybridisation between Body (YCM) and Mind (RGB) or as a temporary dissonating self-state of a Body (YCM), unable to quantum accelerate the individualised frequencies into source resonance, associated with a Memory-RMP-Gestalt seeking the source-sink resonant eigenstate.

The 'brain' of such a body will be alike an antenna or receiver, able to process a kaleidoscope of frequencies from the environment and to use the utility of 'Thought' and as software to modulate the frequencies of the computer in the current elements of the natural electricity, which can be labeled as the 'spirit of the lifeforce'.

In terms of the source radiation emitter, the omnipresent gauge photon, when 'embodied' in a YCM body definition, continues to 'broadcast' its 'source energy', becoming modulated or 'slowed down' by the interaction with the receiver of the omnipresent source energy in the physical support structure termed the 'brain' or the computer hardware.

In more detailed terms, the 'grounding' of the receiver engages both parallel and serial collectives of the current elements and so the overall structure of the 'network' can be modelled on a basic AC/DC circuitry of the second order, reduced however to first order in the appropriate differential equations describing the natural electricity of life.

The resulting 'network' so becomes an omnipresent source energy pervading the entire universe in its metric and demetricated string based terms. The source energy can be described as a natural electromagnetic current which interchanges electric mass-generated Coulomb charges with magnetic mass-independent charges across the parameters defining a pre Big Bang string space and say defined in a de Broglie matter wave scenario of inflation.

This mapping is defined in the coupling of the inertial and the noninertial charge carriers and as a proportionality defined by the square of the speed of light 'c':

Electro Charge $e=\sqrt{(Alpha)}.L_P.c^2$ and Magneto Charge $e^*=2R_e.c^2$, with $L_P=\sqrt{(hG/2\pi c^3)}$ as the Planck-Radius and $Alpha=2\pi k.e^2/hc$ as the electromagnetic finestructure constant defining the interaction probability between matter and light and $R_e=ke^2/m_ec^2$ as the classical electron radius, which also defines the manifestation range for the nuclear interactions in the 'asymptotic confinement' of gluonic-mesonic colour charges.
The effective electron mass is given as m_e and the Coulomb constant $k=1/4\pi\varepsilon_o$.

In the name of the Mathimatia - Sirebard Beardris! May 28th, 2019