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Review force general conjectural modeling transforms formalism physics

Abstract

This review article discusses recent advance formalisms trying to resolve inconsistencies of algorithmic grand unified physics. Logical conjectures starting with considering universe as a matrix of existential points and developing knowhow mechanics to configure algorithms to quantify quantum physical discontinuum dissipative process mechanism is emphasized. This projects algorithmic generalized transforms to model fundamentally force out of first definitional principle that will consider infinitum multiverses that encompasses universes allowing information leaking. These aspects may explain why none of the universal constants, especially Planck's constant, speed of light, universal gravitational constant, fine structure constant, as well as others may not be constant after all!!

Hereafter, emphasis will be on observable that are theoretically and/or theoretically testable measurable observations. Realizing that a real astrophysical parameter may be only signal/noise matrix, step by via step algorithms are developed from first principles of physical mathematics especially matrices, properties, rules, mathematical conceptuality, and physical attributable entity simple common-sense approach. Types of symmetries, intensity matrix versus density matrix, hidden causality, functor, functional algebra function point absolute microblackhole gage gravity force PHYSICS transforms superluminous plenum vacuum quanta with quantum sub-quantum hod-PDP micromechanics have been analyzed extensively with grand unifiable algorithm equating formalisms.

Keywords: Conjectural PHYSICS, Formalisms, Force Transforms, Four-Vector Matrix, Signal/noise matrix, algorithm graphics equating formalisms, Hod-PDP quantum micromechanics, Gage Algebra PHYSICS Discontinuum Modeling, Point Laplacian Gradient Microblackhole PHYSICS.

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Introductory remarks

Extensive literature surveys elaborating formalism of point gradient vortex gage fields quantum four vector transforms mechanical, electromagnetic, matrix gravity PHYSICS are available in the section "Short Listing PHYSICS Literature References Formalisms" towards the end of this article.[1-31] Hence, this review will only discuss key hypothesis physics conjectures that will promulgate successful theoretical and experimental verifiable observables.

Hypothesis: Mechanism prime number factorization time evolution wavefunction activates magic square symmetry; this generates structures that are quasiparticles charge matter string matrix quantum density distributions. Physical logic may purport gravitational electromagnetic gage with gravity time functional vector to scalar and pressure gravity functor since they are different categories. Hint: noisy walls of a black box, examples: blackhole, rock, and/or any closed-off spaces.

Proposed five types of universal/local symmetries & waveforms

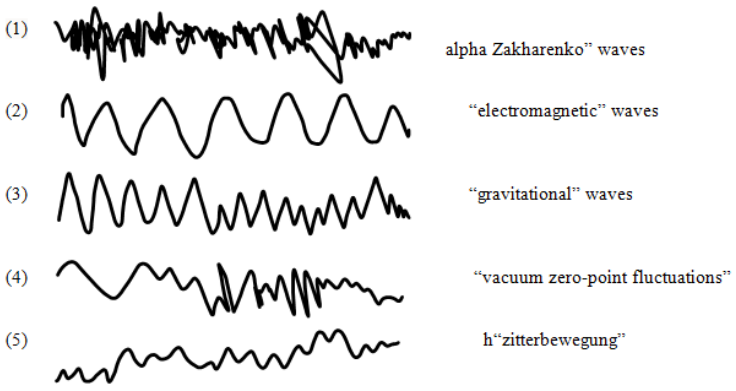
(1) Perfect symmetry matrix

(2) Time reversal symmetry

(3) Magic square symmetry matrix

(4) Prime factored symmetry

(5) Π symmetry matrix



Zeroth dimension ≡ absolute vacuum!! 1 to 5 dimensions zitterbewegung to alpha information waves!!

Intensity matrix versus density matrix

Four vector matrix form physics

$\begin{pmatrix} . \\ \varepsilon_{gr} \\ . \end{pmatrix}(\psi_{\omega}.) =>::<= (.\Gamma_{\omega,gr}.)$ or rewriting $(.\Gamma_{\omega,gr}.) =>::<= \begin{pmatrix} . \\ \varepsilon_{gr} \\ . \end{pmatrix}(\psi_{\omega}.)$, since astrophysically signal/noise measurable observations transformed to gage spatial fields gradient and the rotational wavefunction matrices. Typically, gradient gage spatial electromagnetic fields convertible toward having switching fields with mode {0, off, on}, so that $\begin{pmatrix} . \\ \varepsilon_{gr} \\ . \end{pmatrix}$ will appear as: [ℇ] {0, off, on} or numerical matrix: $\begin{pmatrix} 0 \\ \varnothing \\ 1 \\ \phi \end{pmatrix}$, where the "0" would refer to zero field; "Ø" would refer to neither off nor on field; "1" would refer to on fields; "ϕ" thereby would refer to both off and on fields, such as with quantum entangled fields.[1-6] Physically interpreting the "neither off nor on field", it is an intermittent non zero field, it is an intermittent nonzero field, switching, however not a fully on-field, for example, flickering signal aspects observable; the "both off and on fields" would be representing a quaternionic, turbulent, excessive, or entangled form, for example situation like in explosions.

Rotational vortex matrix $(\psi_{\omega}.)$ will appear as rotational sense wavefunctions, appearing as: [Ψ]{clockwise, anticlockwise, positive, negative} or symbolically $(\psi c\ \psi \supset\ \psi_{+}\ \psi_{-})$. *Per "Short Listing PHYSICS Literature References Formalisms", especially*[12,17] *intensity matrix with gage unitary eigen field and the wavefunction to form signal/noise observable measurable matrix can be written having that:*

$$(.\Gamma_{\omega,gr}.) =>::<= \begin{pmatrix} 0 \\ \varnothing \\ 1 \\ \phi \end{pmatrix}(\psi c\ \ \psi \supset\ \psi_{+}\ \psi_{-}) \text{ specific case with } \phi \equiv i. \textbf{ Algorithm (I)}$$

We note that we can figure out the 4x4 four vector matrix form, quaternion algebra with $\phi \equiv i$.

Algorithm (I) is four vector matrix form 4x4 quaternion matrix physical mathematics. This has power to quantify "Critical (Γ, ρ) matrix electromagnetic gravity keying parametrically"[12] out of "Gage time gage space fields probability signal matrix", transforming among observables, observations, measurements, experimental, natural, astrophysics, quantum, potential, wavefunction, mesoscopic, and normal physics!! 4x4 quaternion wavefunction gaging field physics would be having detailed elements with micro-macro mathematics space, charge, complex, astrophysical, quantum electromagnetic gravity fields entangled, decohered, neither or both wavefunction quaternion forms. These are amenable to applied quantum computing programmable operational proper algorithm eventually.

Pure quantum state operator density matrix we might write:

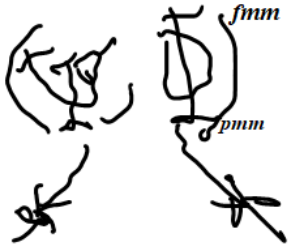
$$\rho = |\psi\rangle\langle\psi|. \qquad \textbf{Algorithm (II)}$$

A special hardware device may have to then be developed to capture spectral point to point astrophysical intensity signal/noise and spectra density matrices, with having microprocessor device like diamond chips. Standardization will have to evaluate [∅] (x) {off-mode} with proper physics referencing. Gage cursory look of Algorithm (I) and Algorithm (II) will tell us that while electromagnetic force appears as signal profile field matrix, gravitational force appears as density matrix time space manifesting flavor with mass factor, and both together in stringmetrics.[1,4-7,9, 10,11,16,18] Practically achieving with typically observations measurements having spectral density alongside intensities signal profiling will be then part of experimental physics.

Once we have X=density matrix, Y=intensity matrix, then we can map [Y] = g[X] metrically!!

Hod-PDP circuit assembly dynamically progressively stabilizes through quantum level creation from Superluminous Plenum generating energy perpetually while keeping "zitterbewegung", average universal temperature, gravitational waves, and cosmic microwave background by having critical signal/noise density matrix evolving out of observables Algorithm Equation (I).[9-18] We get the whole picture by computer simulation matrix programming problem solving simultaneously Algorithm (I) & Algorithm (II) to get proper observables that are experimentally testable observations measurable parameters grand unifying physics!!Algebra gage theory discontinuum dissipative physical mathematical sciences paradigm shifting quantum relativity has proved to be main key to achieving it!!

Stringmetrics[3,5-7,9,16,17] giving functional (G) field- (M) mass metrics, with G & M having density matrix like Algorithm (I) conjugates with signalmetrics like Algorithm (II).



We can get coordinate algebra results similarly[17]

fmm: like time crystal quartz diamond time sense, metrically "G", functional modon strings.

pmm: space hodPDP circuit clocking assembly, metrically"M", function flavor matter mass.

Transformational translational operational gage algebra of coordinate algebra:

$\begin{pmatrix} . \\ \varepsilon_{fmm} \\ . \end{pmatrix}(\psi_{pmm}.) =>::<= (.\Gamma_{fmm,pmm}.)$, or rewriting with modifications:

$(.\Gamma_{qdtc,PDPcca}.) =>::<= \begin{pmatrix} . \\ \varepsilon_{qdtc} \\ . \end{pmatrix}(.\psi_{PDPcca}.)$, with quartz diamond time crystal (qdtc) ≡ fmm; PDPcca = pmm, hod-PDP circuit clocking assembly.

Hence, overall observable parameters that are observationally measurable physics:

(1)"G" functional stringmetrics field factor

(2)"M" stringmetrics mass factor

(3)"Γ" hodPDP quantum astrophysical signal/noise factor

(4)"ρ" density matrix factor, giving fields-masses.

"G" & "M" are matrices affected by "ρ"; "Γ" is matrix affected by wavefunctions+gauges fields.

Hidden causality

One idea would be hod 2D disk[9] may be seen as floating N & S monopoles quantum entangled to appear as permanent magnet, generating dynamic magnetism somehow. What this may imply would

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be that monopoles provide energies (extremely highly untractable) to superluminous plenum. They will however have hod like permanent quantum magnet 2D disks, that have dynamic magnetic field to create particles at high energy oscillations. PDP matrices are formed thus. Hence intimate link between hod and the PDP matrix.

Quantization of time

Corrado Massa's minimal power~ 10^{59}ergs/sec[21] will imply that with the unitarized energy hν=1, that minimum time or quantum_time = hν/(minimal_power) ~ $1/(10^{59}.10^{-7}) \sim 10^{-52}$secs, with erg about 10^{-7} joules.

["hod"]{quantum entangled magnetic monopole} entity: One can hypothesize that below 10^{-52} seconds, entities exist as medium superluminous plenum with dark decohered energy, like unlimited-disembodied-energy (UDE), vacuum state with zero net total energy.[1,13,15] Between 10^{-52} seconds and 10^{-34} seconds (Planck_time), entities exist as W.I.M.P. dark matter. Above 10^{-34} seconds entities exist as quasi-particles, partons, particles, atoms, molecules, elements, compounds, and material structures with environmental multiphases. They depend onto mechanisms operating such as hod-PDP, Higgs-Boson, nuclear strong/weak, electromagnetic/gravity torsion energy force matter hydrogen helium astrophysical quantum fusion, fission with bonds.[7-28] There are mainly five fields per *Aleksey Zakharenk's PHYSICS!! With magnetic, electric, elastic, gravitational, and torsional fields!!.*[27]

@functor, functional algebra function gauge PHYSICS[23]

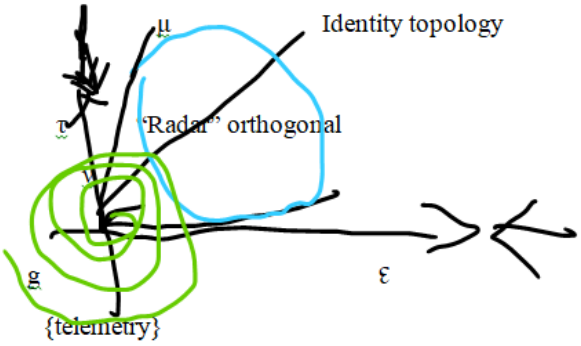
$(x,y)_Y^X$ with y=f(x) function coordinates, X & Y functors, that have link gage functional, g[X] = [Y] matrices.[4-23]

({Magnetic, (Electric,(torsional, (elastic, (gravitational} (field (mathematical (PHYSICS)

Gage PHYSICS:x=μ(magnetic), y=ν(electric), X=ε(elastic), Y=τ(torsional), $g=g_{nr}=g_($(gravitational)

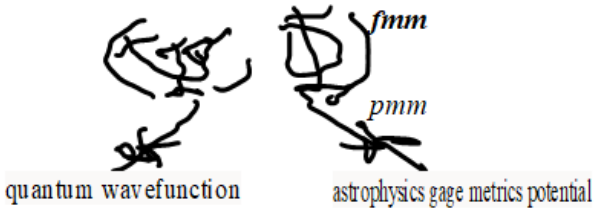
Substituting with gage algebra: $(x,y)_Y^X$ will give: $(\mu,\nu)_\tau^\varepsilon\big|_{\theta\Phi}\, g$

Simplifying we will see that ν(electric) = function of μ(magnetic) per Iyer Markoulakis model[1] whereas ε(elastic) and τ(torsional) are functors, linked by $g_{nr}=g_($(gravitational) functional. n & r signify that within metrix graph [Y} versus [X], n will represent number of rotations or the frequency while the r represents the radius of oscillations, briefly schematically shown below.



$(\Psi,\Phi)_Y^X$ with x = $\Psi\{o,off,on\}$ characterizing quantum wavefunction gauge switching.

y = $\Phi\{circuitry\}$ potential characterizing assembly gauge. In example



which is Algorithmic Equation (I) having:

X≡fmm, Y≡pmm, and then. g[X]=[Y] =>: :<= g[fmm]=[pmm], where g quantifying crystal factor, applicable usefully with PDP.

Example universe eonic parametric observable

If x = α(τ), then y = τ {where α(τ) quantifies constancy varying over eons structure/fine universal observable within infinitum}to have X ≡ mind_consciousness with Y ≡ physical_reality.

Algorithmically, $(\Psi,\Phi)_{pmm}^{fmm} =>::<= (\alpha,\tau)_{physical\_reality}^{mind\_consciousness}$ representing gage physics/discontinuum domains ***analog***ically!!

(Information(transfer(with(global=>::<=(local(protocol(operator(metrix)

Personification of PHYSICS: four vector time matrix proofing

With reference having[17] four vector time matrix fields may be written to be: $\begin{pmatrix} \hat{\imath}_{pr,\mu\nu}\hat{\imath}_g^{\mu\nu} \\ \hat{\imath}_{l,\mu\nu} \;\; \hat{\imath}_r^{\mu\nu} \end{pmatrix}$ (Fvtmf.1)

with $\hat{\imath}_{pr,\mu\nu}$ proper time, $\hat{\imath}_r^{\mu\nu}$ real time, $\hat{\imath}_g^{\mu\nu}$ global time, $\hat{\imath}_{l,\mu\nu}$ locally time, per event timeline explanation. Injective time will change proper time?! hod-PDP

Transforming Equation (Fvtmf.1) analogically to quantum relativity personification, below Equation (Popfvtmp.1) is derived to personify Algorithmic Equation (I):

$$\begin{pmatrix} \hat{\imath}_{pr,\mu\nu}\hat{\imath}_g^{\mu\nu} \\ \hat{\imath}_{l,\mu\nu} \;\; \hat{\imath}_r^{\mu\nu} \end{pmatrix} =>: \;:<= (\psi_{Alice}\,{}^{\cdot}\tilde{\phi}_{Bob})_{Eve}^{Alice}\big|_{\mu\nu}\, g(networking) \quad \text{(Popfvtmp.1)}$$

Quantum wave function astrophysics gage metrics potential

While the Equation (Fvtmf.1) gives four vector time matrix fields, Equation (Popfvtmp.1) gives personification of the quantum relativity action fields protocol.

Linearization, unitarization, gaging, natural physics

a) Linearization to explain spatial curvature flat astro observations.

b) Unitarization to explain normalized physical process.

c) Gaging to explain nonabsolute measurement physics.

d) Natural to explain as is observations natural sense.

Legendre transform*[29] *of a function, f(x): f*'(f'(x)) = x

Applying to momentum: f=p, velocity, x=v, we can write

p*'(p'(v)) = v (Lpv.1)

We will have p'(v) = dp(v)/dv = d(mv)/dv = m if m≠f(v)

p*&p functionally inverse, or involution, p** = p

trying we have, p*'(m) = dp*(m)/dm = d(mv)/dm = v

hence the Equation (Lpv.1) the results!! We may apply to v=c to understand quantum relativity linking via vacuum solutions!! per CJPAS paper aspects!!

Hint clue: p = M v, with M=m/((1-(v^2/c^2))$^{1/2}$) = relativistic mass

therefore, p=m {v/(1-(v^2/c^2))$^{1/2}$}, with m≠f(v), v*=v/(1-(v^2/c^2))$^{1/2}$ With these techniques, we can apply similar procedure (Lpv.1). i.e., p*'(p'(v*)) = v* (Lpv.2)

However, this will work if v<c only!!having v>c, v*=imaginary

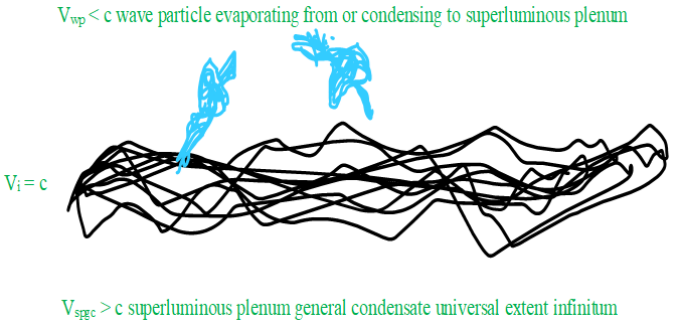
Consider if v* = c, then what will be v?

Answer example: v/((1-(v^2/c^2)$^{1/2}$) = c; v = c((1-(v^2/c^2)$^{1/2}$)

v^2/c^2 =1- v^2/c^2; 2 v^2/c^2 =1. ∴ $v = c/\sqrt{2}$. Thus, electron momentum at relativistic situation, p = mv* = mc occurs with *$c/\sqrt{2}$ velocity!! Relativistic mass, M = m/((1-($c^2/(2c^2)$))$^{1/2}$) = m/(1/√2) = (√2)m.*

Interpretive PHYSICS general: If entity velocity v>c, v*= imaginary, correspondingly superluminous vacuum quanta exists as explained below here. If entity velocity v=c, interface of vacuum condensate and particle can occur. If we've $c/\sqrt{2} < v < c$, then true quantum state of wave and particle, like photoelectron can exists!! Otherwise, if $v < c/\sqrt{2}$, only particle matter will exist, possibly!!

Superluminous plenum general condensate particle wave



Here, superluminous plenum possesses velocity (v_{spgc}) greater than c: speed of light in vacuum. Wave particle originates out of superluminous condensate with example like hod-PDP circuit assembly mechanism operating within, due to presence of highly energetic monopoles randomly. Wave particle may evaporate out of the superluminous condensate eventually possessing velocity less than the light speed, probably because of vacuum friction and matter formation aspects. Wave particle may condense to superluminous condensate symmetrically?! Speed of light, c may occur at the interface between superluminous condensate and evolving wave particle spectra. This will then correspond to "zitterbewegung" critical signal/noise density matrix oscillations, keeping constant speed of light at the interface, that probably will be vacuum!! Reference[9] explains logic of this section overall.

Gage Algebra PHYSICS Discontinuum Modeling

Progress deriving equation quantum gravity force gage physics

One such equation is giving quantum gravity force (Fqg):

$F_{qg} = (G_{qg})^{-1} (r_{qg}^{4}) (g[r_{qg}])^{-1} (H_n')^2 (g[g[r_{qg}]]) (g[f^{*'}(H_n)])$ (GAPDM.1)

G_{qg}: universal gravitational constant (G) gaged to quantum discontinuum; r_{qg}: discontinuum energy fields (DEF) spatial length related to discontinuum length (DL) as a function of time (t); thereby, we have $g[r_{qg}]$ = gage of r_{qg}, which is the gage discontinuum quantum velocity corresponding to DEF. (r_{qg}^{4}) will represent topology, like toroidal or rotated mobius strip manifold spatial geometry. (g[g[r_{qg}]]) will represent gage of gage of r_{qg}, which is gage of discontinuum quantum velocity or gage acceleration like in gravity. H_n represents Hamiltonian, corresponds eventually to Iyer Markoulakis Model Formalism. H_n' corresponds to differential energy Hamiltonian. g[$f^{*'}$(H_n)] corresponds to gage of Legendre transform of (Lagrangian) Hamiltonian DEF. Thus, above equation can express discontinuum physical mathematical gage Q2DDG.

This is a long equation, derivation metrically gaging starting and pointing to the CJPAS paper article. However, it gives the very gist of quantum discontinuum gravity gage force, Fqg, and has many transforms like {Lagrangian, Hamiltonian, Legendre} that help to eliminate the mass, acceleration, velocity, and even momentum parametric terms!! Mass terms created main problems, like Yang-Mills mass gap, dark matter, singularity, and many inconsistencies. Essentially it has Newtonian gravity gage modified to quantum discontinuity physical mathematics. Quantum two dimensional discontinuum geometry (Q2DDG) that forms a crux of PHYSICS ESSAYS papers articles[13,15] is hence given in the equation here. A brief explanation of the symbols is {I have all in writing only the whole derivation of it}.

Point Laplacian gradient microblackhole physics

Substituting with gage algebra: $(x,y)_Y^X$ with x = ∇ (gradient), y= $\mathcal{L}p$ (Laplacian transform), X=point, Y=microblackhole, g=fibrational_strings, we get:

$$(\nabla,\mathcal{L}p)^{\text{point}}_{\text{microblackhole}}\Big|_{g}\ \text{fibrational\_strings} \Rightarrow::<= \begin{pmatrix} \widehat{\mathcal{L}p}_{,,\mu\nu} & \hat{\nabla}^{\mu\nu} \\ \hat{\nabla}_{\mu\nu} & \widehat{\mathcal{L}p}^{\mu\nu} \end{pmatrix}$$

(PLGMP.1) $\{\widehat{\mathcal{L}p}_{,,\mu\nu}, \widehat{\mathcal{L}p}^{\mu\nu}\}$ will characterize vortex (rotational) aspects, while $\{\hat{\nabla}_{\mu\nu}, \hat{\nabla}^{\mu\nu}\}$ characterizing point gradient (irrotational) aspects, referring Iyer Markoulakis Model formalism.[1] We utilize technique developed there to derive eigen values of characteristic matrices, time evolution Hamiltonian defining microblackhole vortex action to get Laplacian gage solution with $H = \left\{i\hbar/\left(t_f - t_i\right)\right\}[ln|\mathcal{L}p(t)|]$. Substituting this value of Hamiltonian in the above Equation (GAPDM.1) with $H_n = H = \left\{i\hbar/\left(t_f - t_i\right)\right\}[ln|\mathcal{L}p(t)|]$, and differential Hamiltonian $H_n' = \partial H/\partial t = (\partial/\partial t)\left(\left\{i\hbar/\left(t_f - t_i\right)\right\}[ln\mathcal{L}p(t)|]\right) = \left\{i\hbar/\left(t_f - t_i\right)\right\}\{\mathcal{L}p(t)/\mathcal{L}p(t)\}$, , with differential Laplacian $\mathcal{L}p(t)$ has to get computed per physics. Hence, algorithmic equation microblackhole gage gravity force (Fqg) transforms to

$$F_{qg} = -i\hbar^3(G_{qg}(t_f - t_i)^3)^{-1}(r_{qg}^{4})\left(g[r_{qg}]\right)^{-1}\{\mathcal{L}p(t)/\mathcal{L}p(t)\}^2(g[g[r_{qg}]])\,(g[f^{*'}(ln|\mathcal{L}p(t)|)])$$ (GAPDM.1)

Altogether, gage gravity {Helmholtz, Lagrangian, Hamiltonian, Legendre, Laplacian} quantum force transforms modifying Newtonian Universal Gravitational Galilean PHYSICS!! The next step will be to connect with Iyer Markoulakis Model Formalism advancing to Iyer Christopher Malaver Hodge Zhang Taylor Gage discontinuity dissipative physics, then to come up with observables that are measurable experimentally with natural observations!!

The question with mass gap, varying fields, dark matter, singularity, and many inconsistencies with the quantum relativity measurements may get resolutions with considering wholly generalizable transforms Equation (GAPDM.1) provides. Computing order of magnitude metrically gaging with possibility of universal constants with situational time constant with term $\hbar^3(G_{qg}(t_f - t_i)^3)^{-1}$ within the Equation (GAPDM.1) eliminated by unitarization to achieve dimensionless quantities. Hence true analytical physical solutions observationally interpretable will provide grand unified PHYSICS.

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Overall Scientific steps theory to experimental PHYSICS

a. hDerivations $(\text{definition}, rule)^{\text{configuring}}_{\text{algorithm}}\Big|_{g}$ transforms

b. hConjectures $(x,y)^{X}_{Y}\Big|\ g$

c. Proofs observables physics

d. Lemmae

e. Observations, measurements verifying above hypotheses.

Theoretical Mathematical Physical Sciences System

Experimental Engineering Technology Language Art

Summary

Here, the author has reviewed recent advances with physics formalisms to arrive at hypothesis conjectures grand unifying physics. General formalisms that the author has developed alongside internationally collaborative scientists coauthoring seem to resolve inconsistencies of algorithmic grand unified physics. Physics conjectures that suppose universe being a matrix of existential points to model knowhow mechanics configuring algorithms to quantify quantum physical discontinuum dissipative process mechanism has been achieved quite extensively. Symmetry types and five universal general wave types have been identified conceptually.

Theoretical results show four vector matrix form physics that has the power to transform astrophysical measurable observable signal/noise matrix onto quantum parameters of gage 4x4 quantum switching fields "ket" matrix multiplied by quantum rotational sense wavefunctions "bra" matrix that have computationally instrumentational capable of devising.

Coordinate algebra general functor, functional algebra function gauge PHYSICS has power to analyze gauge fields - (ν) electric) as a function of (μ) magnetic per Iyer Markoulakis model, versus (Ɛ) elastic and (τ) torsional which are functors, linked by (g) or (g_{nr}) gravitational functional getting algorithm $(\dot{\imath},\acute{\imath})^{\mathcal{C}}_{\dot{\delta}}\Big|_{\theta\ddot{O}}\ g$ out of general gage algebra equation $(x,y)^{X}_{Y}\Big|\ g$ where x=μ ,y=ν, X=Ɛ,Y=τ,g=g_{nr} to represent graphically profile of these fields acting in 3D topology.

Personification like the quantum relativity, linearization, unitarization, gaging natural physics with observable measurable astrophysical signal/noise to characterizable quantum parameters of gauge fields matrix as well as rotational wavefunctions have been quantized theoretically. Hod-PDP circuit assembly quantum mechanism provide energies necessary to activate particle-wave out of a multiphase superluminous plenum quagmire vacuum infinitum.

Hidden causality will propose hod like permanent quantum magnet 2D disks, that have dynamic magnetic field to create particles at high energy oscillations with conjugating PDP matrices. Quantization of time in terms of proper, real, global, and local might imply entities exist as medium superluminous plenum quagmire with dark decohered energy, like unlimited-disembodied-energy (UDE), vacuum state with zero net total energy below 10^{-52} seconds. Between 10^{-52} seconds and 10^{-34} seconds (Planck_time), entities exist as W.I.M.P. dark matter. Above 10^{-34} seconds entities typically may exist as quasi-particles, partons, particles, atoms, molecules, elements, compounds, and material structures with environmental multiphases. Micro macro mechanisms operating such as hod-PDP, Higgs-Boson, nuclear strong/weak, electromagnetic/gravity torsion energy create matter to force hydrogen helium astrophysical quantum fusion as well as fission processes with inception of bonds.

Helmholtz, Legendre, Hamiltonian, Lagrangian, and Laplacian general transforms have been adapted to point gradient vortex Iyer Markoulakis formalism to model gage force first principle quantitatively algorithm that will characterize origin of matter universe from infinitum multiverses without having to assume any of universal constants, especially Planck's constant, speed of light, universal gravitational constant, fine structure constant, as well as others working like logical operators of information leaking.

Theoretical observables have been obtained by full-fledged grand unifiable physics that are testable measurable observations from real astrophysical parameter may be only signal/noise matrix. We hope that theoretically computer simulations programming with developed full physical mathematical algorithm will yield meaningful results verifying applicable viability with the author's quantitative theoretical models with collaborative international scientists coauthoring to paradigm shifting revelations. These will provide faster results, within hopefully in a year or two, while experimental measurements with Large Hadron Collider, spin-ice, Bose-Einstein condensates, magnetic resonance imaging, spectroscopy, telescopes all over universe like Hubble, Wilkinson, Webb, and many other global telescopes, astronomy, telemetry, with SETI type signals' capturing light years space of galaxy and constellation clusters might be taking more than a decade of processed data of observational measurements to interpret physics micro-macro global relational linkages.

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Conflicts of Interest

None.

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