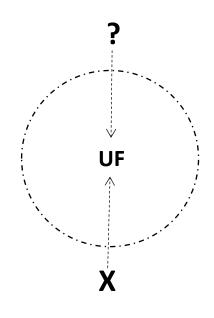


• ? Source of Unified Field (UF) – an everlasting question.



• ? No-question solution of this open Paradox.

Here, unknown X (algebra) → Null Field.

• No value: either Zero or Infinite or Both is an absolute – finite operator values of rest 4 fields may be *assigned* only from diffeomorphic finite periphery.

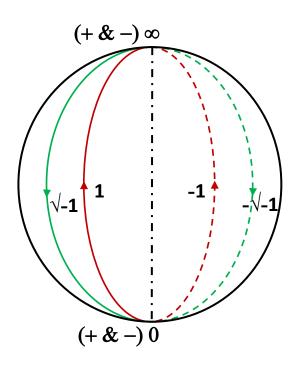
Center to periphery (c) or inside-out and periphery to Center (p) or outside-in.

• On relativity-viewpoint: There may be a stationary point or unbending trajectories with infinite speed – May be the basis of Newton's 1st Law.

• We do not encounter these absolutes in our vicinity except in the axioms of linear or Euclidean geometry where we find a point (0-dimension) and infinitely stretched straight (absolutely unbend/unbiased) lines.

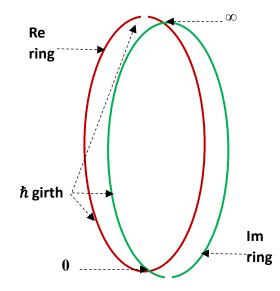
• In number system: '0' and ' ∞ ', two absolutes. The two may unify into one in Euclidean topology.

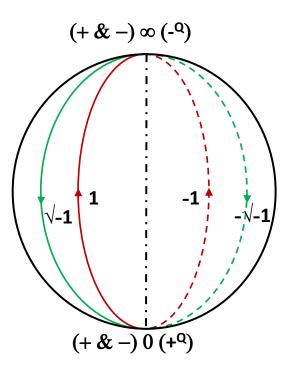
• From '0' infinite trajectories diverge in infinite directions (∞ dimensions) where ultimately they meet at ' ∞ '.



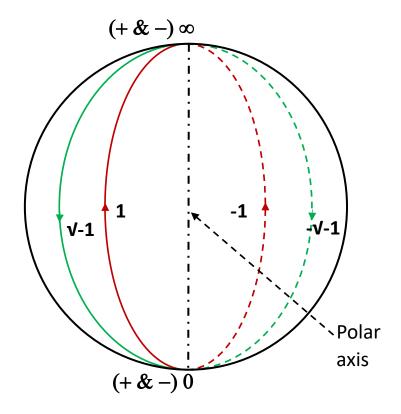
- Real numbers (Re) ascends upward and forward (fwd) from 0 to ∞ in ± (both) ways.
- Imaginary numbers (Im) ascends downward and backward (bwd) from ∞ to 0 in both ways.

- Re-Im counter-complimentary rings with complimentary polar slits of \hbar girth.
- Can fit with each other only orthogonally.



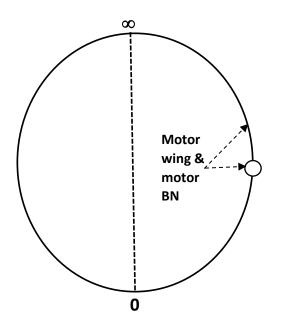


- Trinary existence: Re (Principal), Im (Auxiliary) and Polar axis (Central Null Space) as central witness {centrality or Unitarity (c) vs polarity or duality (p)}.
- In finite peripheral perspective, Re may be replaced suitably by position (**p**) and Im by momentum (**m**).
- North pole holds infinite mentalism or objectivism and south pole infinite physicalism or subjectivism.
- Position, + (Re); point, Q , (+ Q in singularity) in south pole where momentum or velocity is infinitely diffuse within (a state simulates superconductivity).
- Momentum, (Im); point, Q , (- Q in singularity) in north pole where position is infinitely diffuse without (a state simulates superposition).



Trajectories topologically may reduce in 2D-spherical surface : '0-∞ Conjugate'

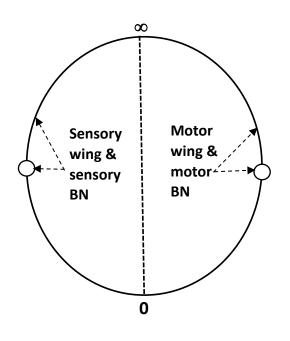
- '0' is at South pole an internal point (Selforganization → Outer null or EDS fulcrum).
- '∞' is at North pole an external point (Selforganization → Inner null or GDS fulcrum):
 Fulcrum is the inflexion point
- Polar axis is Pure back-back entity (c) has the strength to reach and add two absolute points Re | Im topologically. Two approaching extremals (±) at two poles are mixed entities
 Null derivatives: diffuse and consolidated. Former is related with Im polar axis and later with Re equatorial axis that conforms orbital finites on incorporating infinites equatorially.



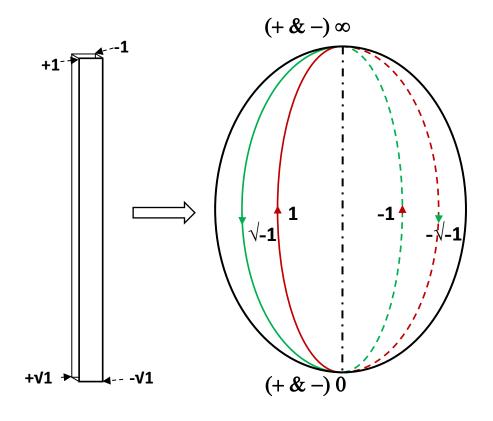
- '0-∞ conjugate' is 'Static Euclidean Field' that supports additive group action (p) where polar axis shrinks.

 Indeed it doesn't suffice to support life and our universe.
- ∞-position at north pole antagonise spinor because it is on infinite but 0-position at south pole supports spinor, clockwise spin (c), orthogonally at Bosonic Null (BN) in the equator.

- Here, ∞ position at north pole rather supports unspinor (anticlockwise spin).
- Or, neutralises torque and spin within polar axis and BN where 0-spin is ensured.
- Spins support multiplicative group action where polar axis stretch out.



- Infinite spin clockwise and anticlockwise simultaneously at absolute motor BN is equivalent to 0-torque and 0-spin (additive) right at center → validate infinite potential discrete Euclidean spaces (multiplicative; absolute unbiased Pure Randomness) that has no parameter.
- Thus absolute motor wing and polar axis are equivalent that belong to no space-time and additive in nature (p). It represent a potential dynamic Euclidean field or Null field.
- Sensory association space can exist only on rotational invariance i.e., finite spin lead finite clockwise and anticlockwise rotation alternatively (not simultaneously except tiny Central Null Space or trivial Null in between) supported by absolute motor wing. Here two complimentary systems (1 & 2) play an inertial game: Clockwise multiplication attain extreme status (1) complimentary slowing (2) pure addition (2) anticlockwise multiplication attain extreme status (2) complimentary slowing (1) pure addition off the center incites negative feedback (1) cycle continues finitely.



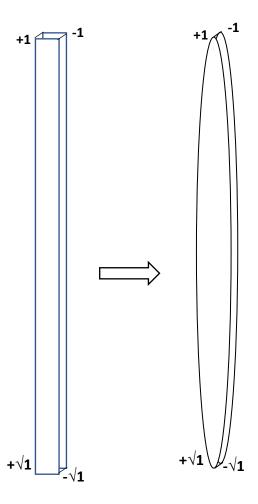
Topological Equivalency

• Flat strip of paper may be projected topologically as sphere.

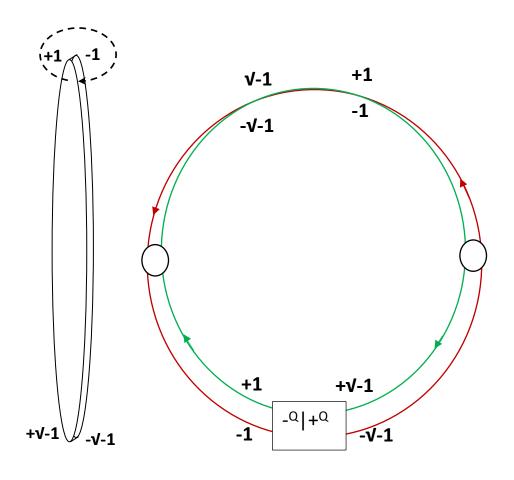
 Top and bottom edges correspond to polar regions.

 Two hemispherical 2D-surfaces enclose central null space (CNS) or Elementary dimensional (ED) singularity.

• But self-organization demands point ended strip, pivots at one end, on $-^{Q}$, in configuring manifold Möbius strip.



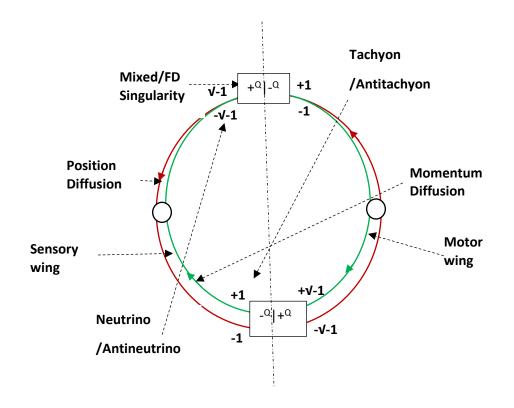
- Pointed ends designate common beginning (Big bang or ON - Ontogenic Null at Im end) and common end (Big crunch or FN – Fermionic Null at Re end). Strip in between supports infinite individual journey, ever possible.
- Even spin at one end and alignment of ends always fail to enclose media (or here, paper substance) in between. This favors structureless initial vertical disposition with even dimensions at two disconnected ends i.e., relaxed flat vertical strip or Even ED (Even Elementary Dimensionality).
- Odd spin at one end and alignment of ends not only enclose media within convex and concave surfaces that allow rotation either way or both ways except at Bosonic Null but also simultaneously entrap bosonic space (BS) within 3D fold as a transform of CNS.



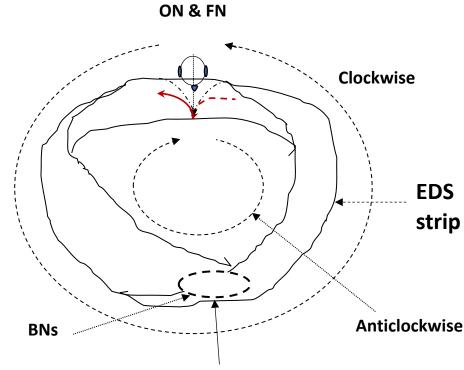
Lt. untwist and alignment - Group Untwist.

Self-organization on Re end pivot

- Conventionally in Complex Möbius Field (CMF) ∓ 1 , Re systemic untwistor/twistor, are clockwise operators and $\mp \sqrt{-1}$, Im systemic untwistor/twistor, are anticlockwise operators.
- But active odd untwist involves operation on Re end with Lt. hand while static Im end in Rt. hand supports passive twist operation during alignment. This executes crystal solid outcome (f₃) in opposite flavour out of diffuse information (f₄). 180° turn is 1D raise. CNS splits in mixed singularities in dual fulcrums, on zero curvature 360° apart, after odd alignment.
- In reality self-organisation is executed from equator, not by manipulation at polar ends, although C-symmetry retain all conventions.

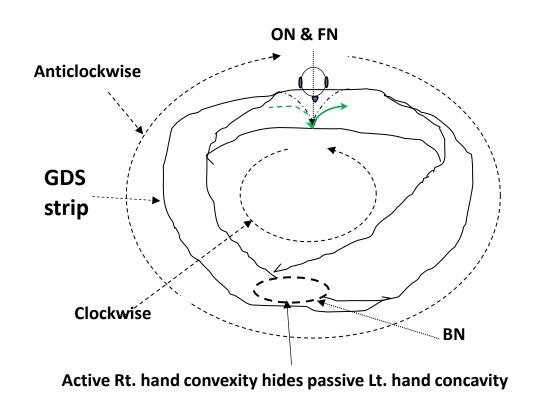


- Joint group untwist operation has two components: odd untwist at one end is multiplicative inverse operation and additive inverse operation align ends in one pole.
- So, operative ends belong to same fulcrum (mixed singularity) i.e., the interface between active segment (sensory wing) and passive segment (motor wing), here, at south pole.
- In this self-organization complimentary interface between active and passive segments is generated symmetrically at north pole that stabilizes (bistability) fulcrum of complimentary system. At polar ends, in reference to its own fulcrum, central or multiplicative operator or orbital twistors and peripheral or additive or orbital untwistors are created. Equatorial sensory BN represents peripheral discrete CNS.

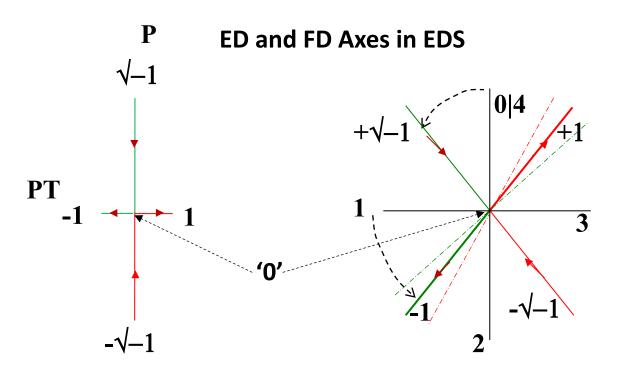


Active Lt. hand convexity hides passive Rt. hand concavity

- This self-organization creates four absolute nulls: two in poles (Ontogenic, ON, +^Q and Fermionic, FN, -^Q) and two in equators (Bosonic: sensory and motor).
- Self-organization, in EDS, executes
 distoproximal untwisting at FN in inversed
 finite sensory wing and proximodistal
 twisting at ON in absolute motor wing. In
 complimentary system null reverses.
- Odd turn discriminates active end from passive one. Thus Lt. hand active untwist (on Re end, FN, $-^{Q}$) and Rt. hand passive twist (Im end, ON, $+^{Q}$) fabricates EDS (Energy Dynamical System) strip where information orbit clockwise or forward. Structurization is organized only in finite sensory wing. Absolute motor wing is structureless-formless.

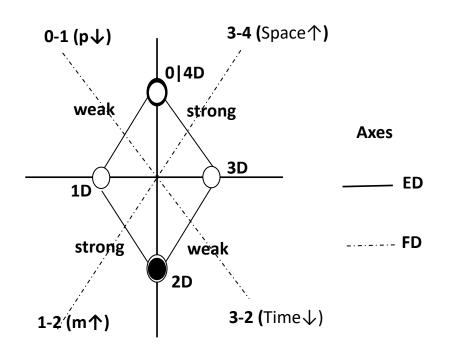


- And, active Rt. hand untwist (on Im end, +^Q) and passive Lt. hand twist (on Re end, -^Q) fabricates GDS (Gravity Dynamical System) strip where information orbit anticlockwise. But in reality odd GDS strip doesn't exist. Here, Im (Rt. hand) rides on convexity; hides Re.
- Even spin is vertically free, never interferes with polar freedom. Here vertical strips, simultaneously created, nullify. So, they are structureless and formless.
- In odd spin only EDS-strip exists where EDS, primarily belong to convexity where position peaks, runs clockwise and GDS has to compromise, primarily belong to concavity where momentum peaks, runs anticlockwise (backward). GDS fulcrum belong to north pole.
 Odd spin restricts polar freedom due to incorporation of gravity bosonic space in 3D.



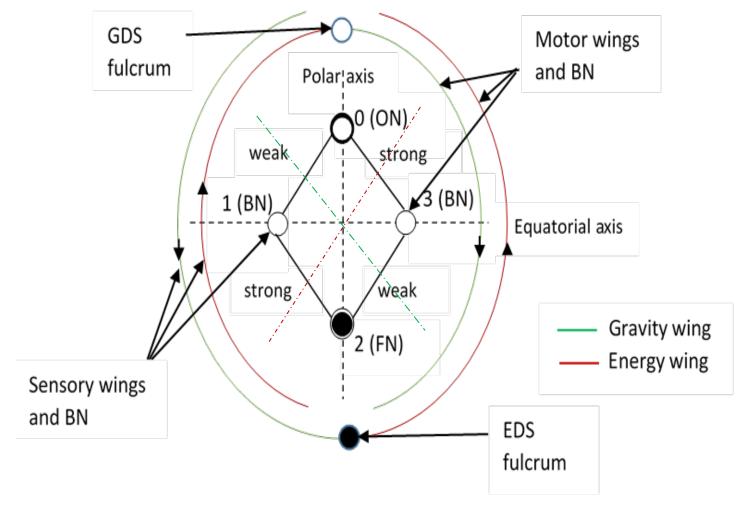
- Elementary operators in ED in the dynamical systems are extremals of the central cruciate structure or saddle solution (Odd ED). Psudoelementary extremals begins and ends at Fractal dimensionality (FD) or diagonal axes. ±1 strong axes represent asymptotes both in ED and FD.
- The EDS (system-1) case is shown in sensory perspective on complementary saddle point (in motor perspective, directions reverses '0'→'∞'). For GDS (system-2) the signs, direction, and color reverse. Odd ED emerges from even ED where ED accepts FD diagonally (missing central C-symmetry/grey crux in 3D). FD-phase: Wing or system untwistors (√-1|-1) and twistors (-√-1|+1) in EDS transfer information within that system. ED-phase: Orbital untwistor/twistor (+√-1/-1 ↔ +1/-√-1) transfer information between systems (GDS ↔ EDS).

Equator-Orbit Complementation



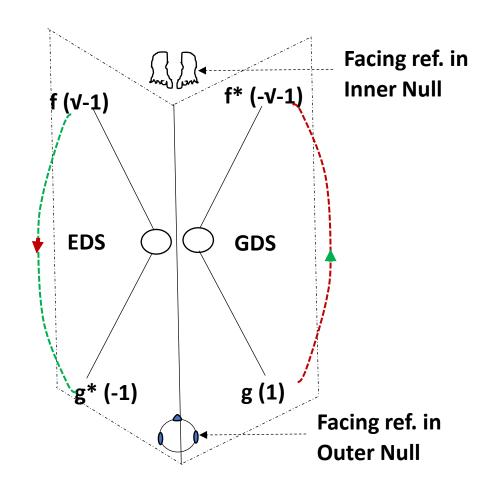
- CMF satisfy spin-rotation complementation in π -chopping. FD-windlasses, straights between untwistor and twistor, are the self-organizors. With each ½ spin turn (active Lt. untwist) i.e., one step (180° rotation) and alignment of ends, elementary dimension increases by one unit.
- So, at 1st step (1D-½ spin) Dark Matter (graviton, spin-2, strong gravity), Dark Energy, >c, + abstract fermions (without motor wings) transcend.

• At 2nd step (2D-1 spin) free gauze bosons are created. 3rd step (3D-3/2 spin) complete oddity ensure on unstable fermions with incorporation (fermion-boson structurization) of bosonic space: gauze and gravity. At the final move for 4th step (4D-2 spin) equatorially stable fermions culminate on completion of full (720°) rotation in space-time fabric.



Circle of circumference h (Planck's constant) at poles hide beginning and end problems

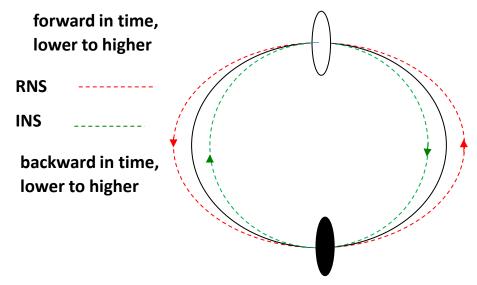
- Inverted shorter finite sensory wing, build structure and form under untwist operation in sensory association space only when supported by structureless and formless longer absolute motor wing at its fulcrum.
- Gravity wing (green; -1|+V-1)
 belong to Lt. hand operation (BN
 on '0') and energy wing (red; -V 1|+1) belong to Rt. hand
 operation (BN on '∞'). In sensory
 wing of EDS, m envelops p
 against the current. In motor
 wing situation is reverse.



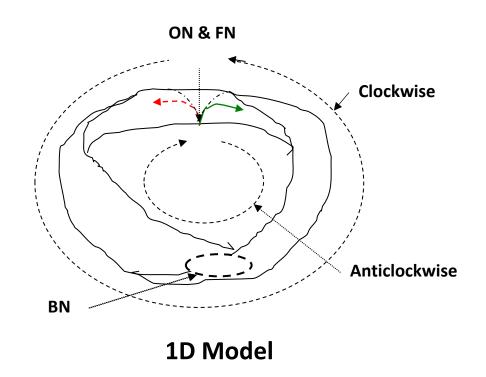
Multiplicative FD-phase but BNs are phase linked in ED-relation in highest equatorial spin.

- Disposition of operators under dual mode in ED (open book) are shown here within sensory wings in EDS and GDS. Unimodal FD is the case of closed book, oddity out of evenness.
- ED mode is bimodal (Even) because here absolute rotations run same in dual perspective. Here, rotations are in same direction when witnesses are in crossed-facelie from fulcrums.
- FD mode is unimodal (odd) because here finite dual rotations (p|m) run opposite from same perspective in face-face-lie from fulcrums.
 Peripheral witness of BN-BN (bwd→fwd) along equatorial axis is also odd where Re open individual cosmos hiding rest others' in Im.

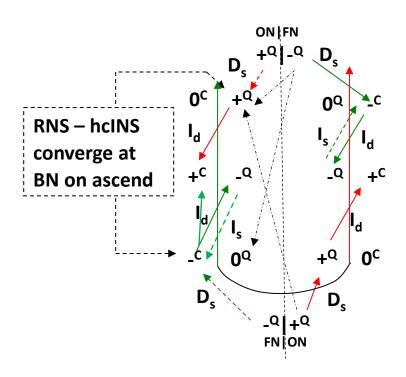
• Evolution of rational (RNS) and irrational (INS) number systems in fast 1st order 1D/>c (c.f. mixed and 2nd order slow 3D /=c) out of Real-Imaginary number systems happens by π -chopping (180°) under joint group untwist operation in odd D.



 \hbar (h/2 π) complementation of RNS and INS bridges even any gap in singularities.



• At BN in 1D, system trajectories tend to change surface but PT-symmetry reverse them readily. So RNS always run along convexity (^C) clockwise while INS along concavity (^Q) anticlockwise. This oddity is 1st step exclusion. 3D holds 2nd step exclusion.



In 3D: Classico-quantum worlds

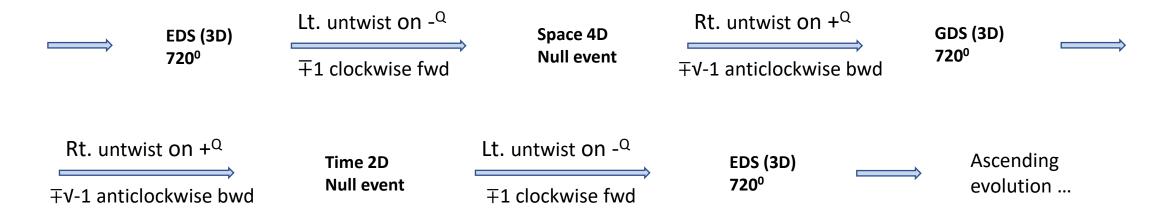
I ≡ Increase; D ≡ Decrease; s ≡
 solidarity; d ≡ diffusion of position
 (red) or momenta (green) in EDS.

Number system in π -chopping in 3D INS^c / Re^c > | RNS^Q / Im^Q

- $+^Q$ and $-^Q$ points of mixed singularity transcend to inversed sensory polar antennae ($+^Q$ & $-^C$) on D_s (polar lag) with equatorial split of gravity by π -chopping/group operation.
- INS has three components: Finite or head (hc), infinite or tail (tc) components. Decider (Back-Back/B-B) hcINS of singularity on D_s unites with tcINS (- Q) at polar region at FN end to form hybrid (PT-symmetry) irrational, - C (INS).
- Polar RNS and hcINS ascend and converge at equator in simultaneity to conform finite primes and antiprimes on the background of current Infinite Prime (+^C, 2nd order Re) or local space. All tcINSs collectively determine Infinite Antiprime or local time (-^Q, 2nd order Im). 3rd component (INS), grey one, has penultimate role in Classico-quantum measurement (-^QO+^C). Here, nontrivial 'O' is discrete Euclidean space (multiplicative one) in BNm of 2nd order.

- π -chopping transforms Real (Re)/Imaginary (Im) number system to rational/Irrational ones with the periodic initiation of distoproximal differential start as sensory untwist \rightarrow cumulative ascend in alternate opposite way (+|-) of position and momentum orbitally. Despite the ascend ($\mathbf{p/m}$) micronisation continues along sensory wing in polar reach.
- Ascend advances in motor wing as proximodistal integral twist, diffeomorphic to untwistor sensory one i.e., total 720° micro to Macro self-organization hierarchically. Albeit their absolute goal is Fractal Dimensional (FD) mixed singularity, their current periodic reach is its closest proximity possible where they regain original form: Re/Im.
- These orbital journey belong to FD-phase. Between complementary toggle of succeeding FD-phases (EDS ←> GDS), ED-phase pulsate. Here two journeys converge simultaneously in exclusive individual ascend of equatorial journey from sensory Bosonic Null (BNs) locality toward motor Bosonic Null (BNm) locality. In orbital Möbius topology m holds classical attribute (primarily in GDS) and p holds quantum one (primarily in EDS) orbitally. These polar attributes reverse equatorially (P dominates).

• EDS strip folds by untwist on -Q pivot from 0D to 4D, levity manifold. GDS compromise within it where extremals belong to 2D, gravity manifold. Here, dimension unfolds by untwist on +Q pivot. So 3D function as odd centrality between even dimensions of fulcrums in duality: 4D without and 2D within. In absolute churn and fusion they solve present space and time alternatively in FD-phase and simultaneously in ED-phase.



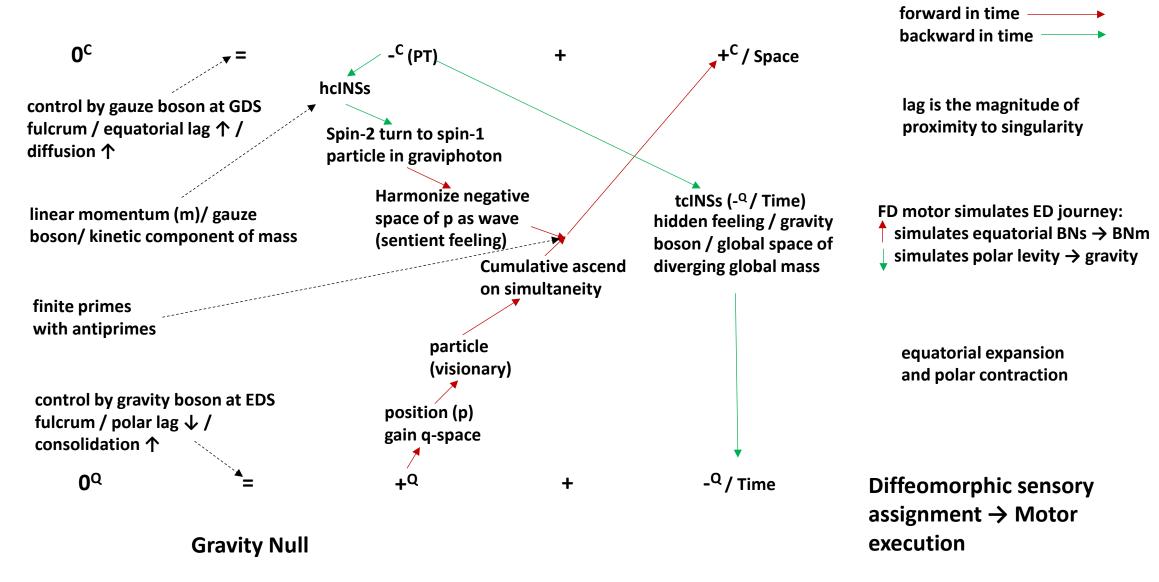
• Strong dominates: 1. Self-organization of EDS strip on strong Re pivot. 2. π -chopping intersects RNS|INS by strong ED- and hcINS|tcINS by strong FD-axes. 3. Macro/Classical: strong Re (+^C) on strong ED-axis and strong INS (-^C) on strong FD-axis. 4. Critical bifurcation: always through weak ED-quadrant where strong ED-quadrant remains intact. 5. Composite particles: Electron at strong ED-axis and Quark at strong FD-axis.

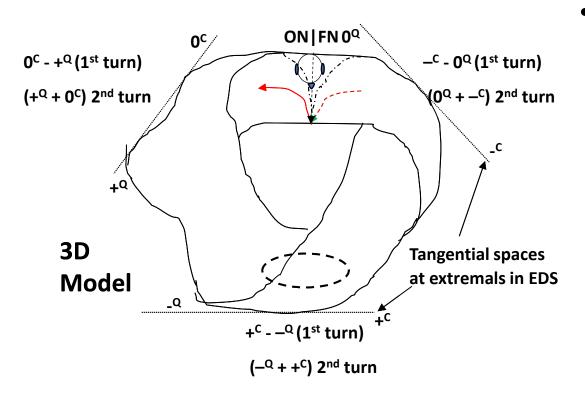
In Null order '0- ∞ conjugate', diffuse Re|Im create infinite polar freedom vertically. Null Field ensure absolute equatorial freedom of 2nd order Re|Im horizontally. In 3D finite processing of information, $\mathbf{p} \mid \mathbf{m}$ with consolidated sensory beginning are suitable replacements of Re|Im.

Null order Re|Im are transformed into absolutely consolidated p point ($+^Q$) in ON|m point ($-^Q$) in FN respectively (Mixed Singularity). Entrapped gravity bosonic space, restricts polar freedom by reducing polar lag periodically. (Note: Gravity abhors equatorial churn; plays in between in rotational space). Alternate $\mathbf{p} \mid \mathbf{m}$ vectors start closer to poles are consolidated mixed orders: RNS ($+^Q$)|INS ($-^C$). They orbitally ascend on diffusion; connect null derivatives (pseudovectors) of the beginning and end; thus, advance towards polar points periodically.

Incorporated gauze bosonic space (hcINS) restricts equatorial freedom where position classical $(+^c)$ or $P \uparrow dominates$ over $AP \uparrow (-^Q)$. hcINS is the decider (free Gödel - incompleteness) behind $^c|^Q$ attributes. In 1D RNS/convexity/+ is partitioned from INS/concavity/- by PT-/hcINS; hence, can never mix and match but in 3D they can form mixed and 2^{nd} order sub-elements. hcINS, the equatorial lag on optimum merging with $+^Q$ s, expands its quadrant ($P \uparrow$) only periodically.

Levity Null



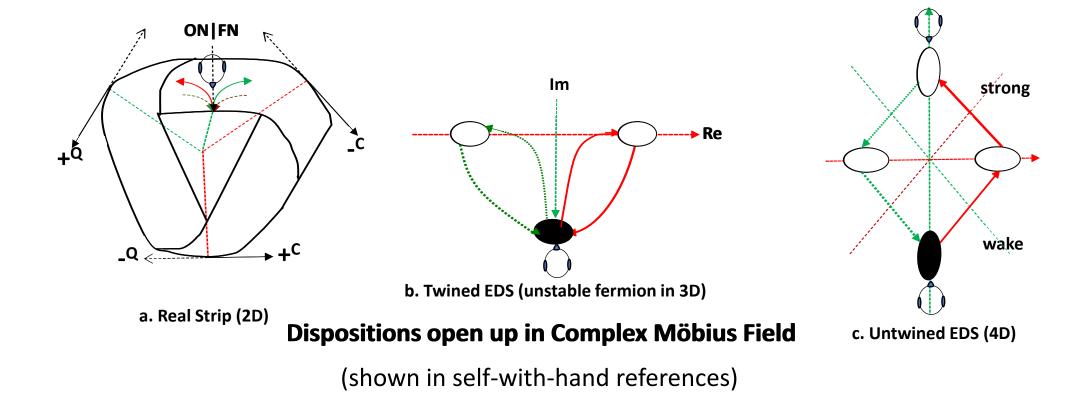


- Basic element of 3D M-strip are trinary codon (input-media-output). The two subelements as two hands spread towards surfaces add classical (convexity or exposed) or quantum (concavity or hidden) attributes. In case of energy wing, inputs are quantum and outputs are classical. Reverse happens in case of gravity wing. Here, contrary to 1Dcase, rational are hidden and irrationals are exposed. PT/hcINS (spontaneous symmetry break -2/1) is spanned between shoulders.
- Bases are tensors and media are twistor/untwistor or spinor/unspinor; e.g., '+' in tensor designate: 'position,' 'visionary,' 'objective' whereas '+' in media designate diverging p ↑ or entropy (clockwise or fwd). '-' in tensor indicate: 'momentum,' 'feeling,' 'subjective' where as '-' in media indicate converging m↑ or negentropy (anticlockwise or bwd).

Numbers are placed in Möbius topology on the principle of aesthetic fitment of Möbius symbols ($+^Q$, $-^C$, $+^C$, $-^Q$, 0^C , 0^Q , 0 and ∞) along self-organizing rule of manifold. The theme may simulate computer language 'C' where specific group of functions are organized as specific object. They assign exclusive stochastic discreteness help in conformal filling of background continuity. Here, primary symbol is Null (0) designate centrality, CNS or ED-singularity of $0-\infty$ conjugate. Polar duality is created out of its derivatives ($0^C/+^Q$, $0^Q/-^C$) from FD-singularities.

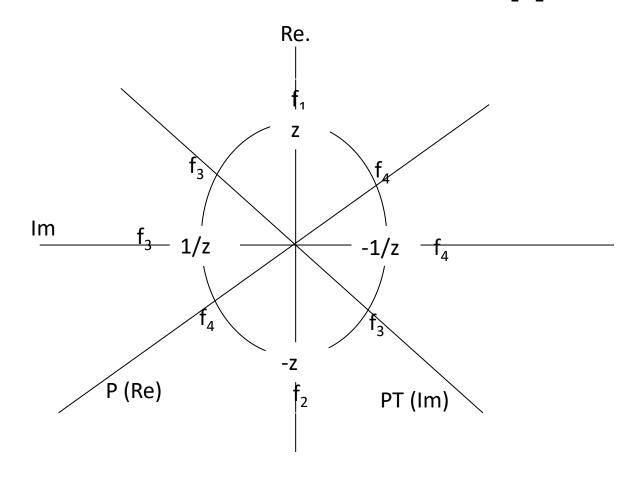
In symbolizing media, middle one of trinary codon as polar untwistor/twistor: '+' denote forward dynamism \rightarrow position; '-' backward one \rightarrow momentum; '0' absolutely neutralize dynamism in spinor/unspinor space on their balancing height at equator in nontrivial '0'.

Peripheral metrics of manifold are expressed symbolically: convexity as superscript $^{\rm C}$ (classical/exposed) and concavity as $^{\rm Q}$ (quantum/hidden) attributes. In equator they are $^{\rm 2nd}$ order subelement: $^{\rm C}$ (white) as local space and $^{\rm Q}$ (black) as local time. Obviously, no superscript means central neutral curvature at Null that may accompany penultimate conformal grey ones (neither white nor black symbol) that link all stochastic discrete unit basis vectors and restore Deterministic continuity topologically along the background.



- a. i) Basic natural form ii) Support basis vectors of Geometric Algebra.
- b. i) FD-phases ii) Homologous to Lorenz attractor or electronic field.
- c. i) Complex Möbius Functions ii) Equivalency with quaternion space.

Möibus group of complex functions of uncompromised GDS in GDS strip (polar execution: Re $/f_1$ - f_2)

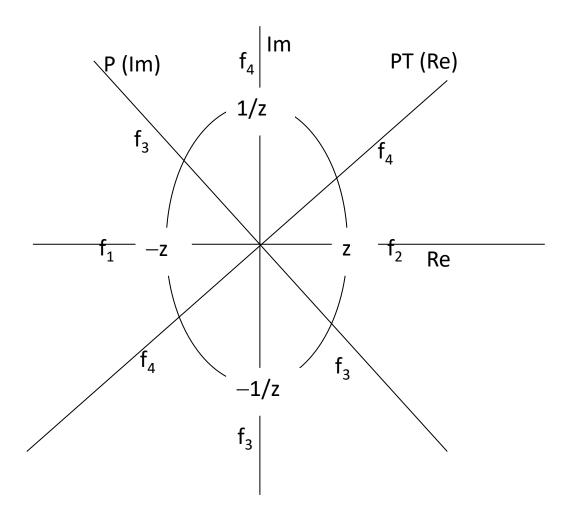


0	f_1	f_2	f_3	f_4
f_1	f_1	f_2	f_3	f_4
f_2	f_2	f_1	f_4	f_3
f_3	f_3	f_4	f_1	f_2
f_4	f_4	f_3	f_2	f_1

Table-1. Composition table in GDS. 0 indicates a group addition or multiplication operation.

$$f_1(z) = z$$
, $f_2(z) = -z$, $f_3(z) = 1/z$, $f_4(z) = -1/z$... $f_1(z) = z$ is the identity element.

Möbius group of complex functions of EDS in EDS strip.

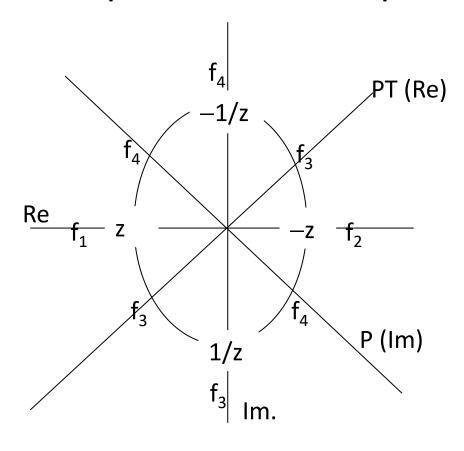


0	f_1	f_2	f_3	f_4
f_1	f_2	f_1	f_4	f_3
f_2	f_1	f_2	f_3	f_4
f_3	f_4	f_3	f_2	f_1
f_4	f_3	f_4	f_1	f_2

Table-2. Composition table in EDS. $f_2(z) = z$ is the identity element.

 $f_1(z) = -z$, $f_2(z) = z$, $f_3(z) = -1/z$, $f_4(z) = 1/z$... ED accepts FD diagonally.

Möbius group of complex functions compromised GDS in EDS strip



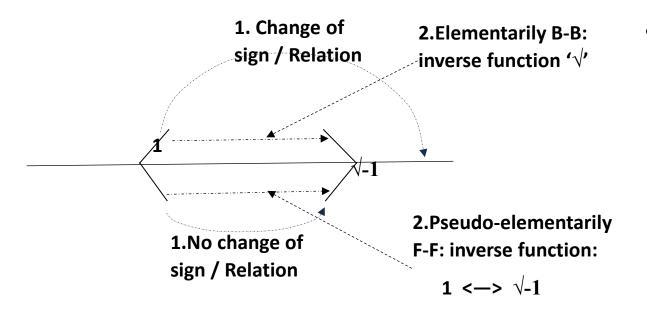
$$f_1(z) = z$$
, $f_2(z) = -z$, $f_3(z) = 1/z$, $f_4(z) = -1/z$

- 540° or 3D anticlockwise rotation of uncompromised GDS frame axeswise fully compliment (c.f. 1D) within EDS strip where PT-axis must be Re one. So, 3D is the ideal dimension for self-organizing Bioevolute where duality is the outer modalities of central unitarity.
- Pseudoelementary (FD) rule: In GDS inverse Möbius function f_3 or 1/z designate transformation of Re (±1) to Im (± V-1) or vice versa where signs aren't changed i.e., commuting or F-F (change of sign occurs in case of f_4 or -1/z).

• But in case of normalization of unitary function, z represent 1 (Re unit) and its inversion (1/z) define the transformation of 1 to + V-1 (Im unit) or vice versa where there is change of sign as well as imposition of transformation function i.e., 'squire root over function' (anticommuting or B-B: order of operation '-', 'V' on '±1'; cannot be reversed) – Elementary (ED) rule.

• So, when one goes to normalize such basic units of elements, it also becomes self-evident that, here, the complex inverse function in CMF is simply a 'squire root-over function.'

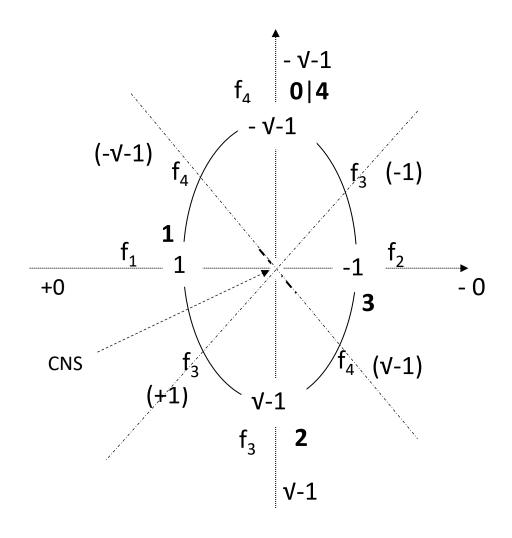
• Thus, elementarily or unitarily in GDS f_3 inverts the function with change of sign i.e., sleep or strong or PT symmetry (B-B) whereas f_4 inverts only the function i.e., wake or weak or P symmetry (Face-Face, F-F). In contrast, in case of EDS f_3 is weak symmetry and f_4 is strong one. $\sqrt{1} = \pm 1$ (PT) label ± 1 axes as strong one.



Definition of F-F and B-B relation between 1 and $\sqrt{-1}$ in CMF under Elementary and Pseudo-elementary perspective

Functionally F-F relation is additive and B-B is multiplicative. These relate more distinctively in perspectives (particles): elementary (ED) and pseudoelmentary (FD). Here, they belong to opposite group is clearly evident. What appears additive in FD- turns multiplicative in ED-. Note: FD program handle two phases: FD - orbital (vectors $-\mathbf{p} | \mathbf{m}$) and ED – equatorial (scalars – p|m)

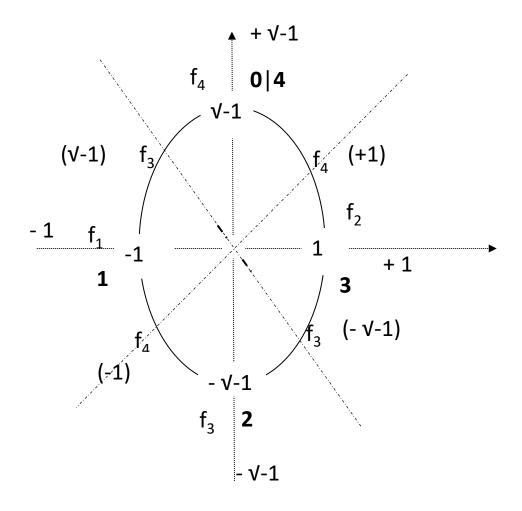
Hence, these relations behave in CMF as complex collage. It is conventional that
relation between operators in sensory wing should be considered in FD perspective
whereas in motor wing they should be assigned in ED or unitary perspective.
Nevertheless, ED relation is fundamentally independent in comparison to FD one.



Compromised GDS supported on odd ED

(at CNS '∞' faces front & '0' hides back)

- The GDS fulcrum is on 0D|4D-null or levity null $(0|\infty \text{ or } ON|FN)$ and EDS fulcrum is on 2D|2D null or gravity null $(\infty|0 \text{ or } FN|ON)$. They are mixed singularities on 0-curvature.
- GDS (INS differential input $-^{c}$ or f_{3} in 2D \rightarrow ascend under untwist, micronisation fractally to 0^{c} in 0D and periodic ascending cycle (720°) continue anticlockwise towards highest diffused momentum or unknown past (Im) along both wings: sensory and next, motor i.e., integral (reverse micronisation) Im output f_{4} or $-^{Q}$ in 2D).
- This negentropic path m ↑ runs as ascending linear momentum (mv) that may be considered as partial derivative of kinetic energy (¹/₂ mv²).

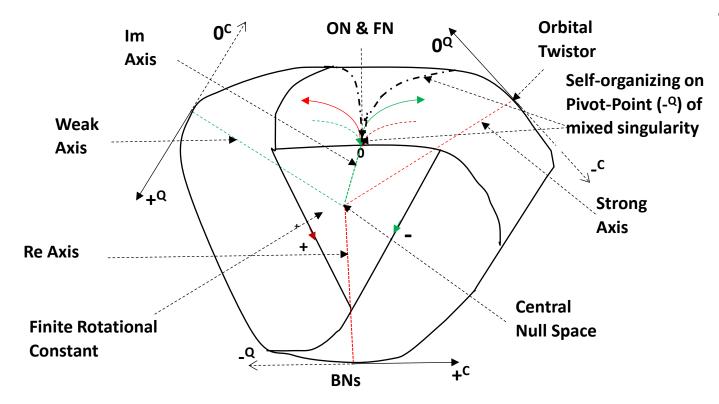


EDS supported on odd ED.

(at CNS '0' faces front & ' ∞ ' hides back)

- Complimentarily, EDS, RNS differential input $+^{Q}$ or f_{3} in 0D \rightarrow ascend under untwist, micronisation fractally to 0^{Q} in 2D \rightarrow periodic ascending cycle continue in motor wing (total 720°) clockwise towards highest diffused position or unknown future (Re) i.e., integral output (reverse micronisation) Re output f_{4} or $+^{C}$ in 4D.
- Its entropic $\mathbf{p} \uparrow$ (position vector) follows real drag of tachyon.
- In group untwisting, the motor FN hides behind sensory ON in levity (North) pole and motor ON hides behind sensory FN in gravity (South) pole.

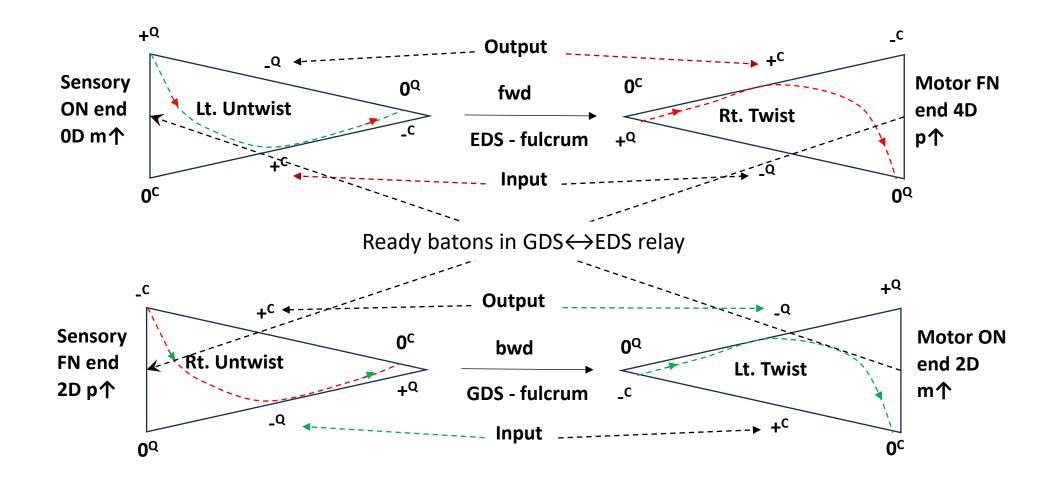
- ED axes (fixed in both systems: i) Polar, bimodal, B-B, even subconsciousness inclusive all valid probabilities ever possible (deterministic), Im axis between f_{4} , m-point & f_{3} , p-point as translational space define K and ii) Equatorial, unimodal, F-F, odd consciousness, exclusive truncated probabilities (stochastic), Re axis between f_{1} & f_{2} ($0 \leftrightarrow \infty$) as (un-)spinor space, define V. ED axes support mixed FD axes (unfixed: $f_{3} \leftrightarrow f_{4}$ in GDS \leftrightarrow EDS) diagonally. Hence, derived Re and Im FD axes out of ED axes are basically complex in nature. They hold both components of null derivatives: diffuse ($f_{4}/0^{C}/0^{Q}$ or ∞^{Q}) and consolidated ($f_{3}/+Q^{C}/-C^{C}$).
- Complex Möbius functions are orbital vectors pendulate both ways rotationally invariant (neutralising complementarily), clockwise fwd and anticlockwise bwd. Null derivatives are the beginning and end in both cases: \mathbf{p} : $+^Q$, f_3 , $0D \rightarrow +^C$, f_4 , $(-^C)$ 4D, PE \uparrow diverging spiral outside \Rightarrow ' ∞ ' ... & ... \mathbf{m} : $-^C$, f_3 , $2D \rightarrow -^Q$, f_4 , $(+^Q)$ 2D, KE \uparrow converging spiral inside towards 'heavy momentum \Rightarrow 0' in rotational space where they inch towards mixed singularities.
- In CMF complex inverse functions, f_3/f_4 , are root over functions 'V' that normalise Re (equatorial/horizontal) and Im (polar/vertical) unitarily in swirling topology of Möbius strip.



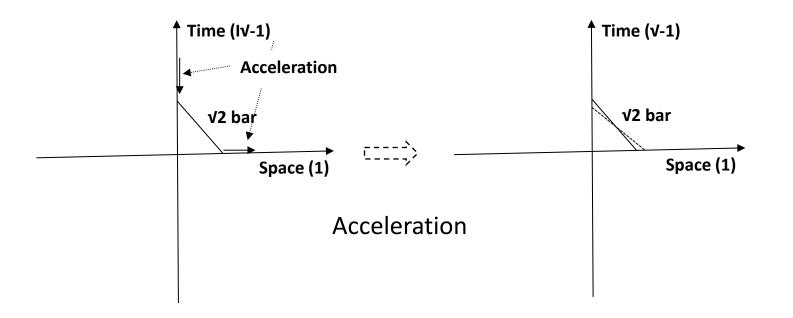
Self-organized EDS strip in Real disposition

3D basic elements, 'codons', having three sub-elements. Complex Möbius functions continually get transformed conserving symmetry. They gather, process, and release information depending upon the media, middle sub-element (±): the twistor/untwistor (orbitally) or spinor/unspinor (equatorially). Continually codon disposes itself orthogonal to the plane of paper.

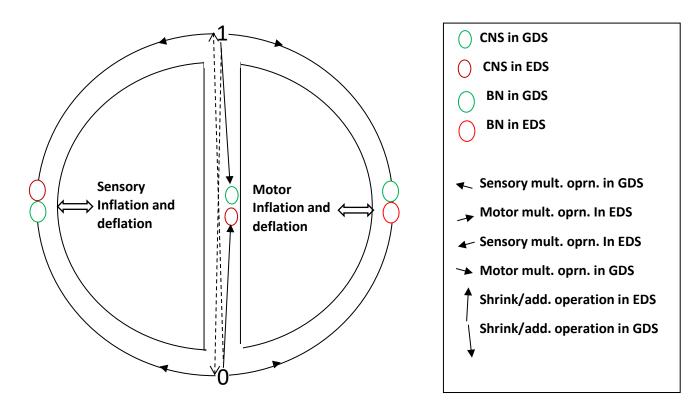
• Medium (±) always remains within the paper thickness. Polar media fail to reach polar mixed singularity but equatorial media may reach nontrivial '0' at BNm in Classico-quantum measurement. Other two sub-elements are metric tensors ($^{C}/^{Q}$) may belong to: external side/classical (convexity or exposed extremals) and internal side/quantum (concavity or hidden extremals) of tangential axes are expressed in superscripts on \pm .



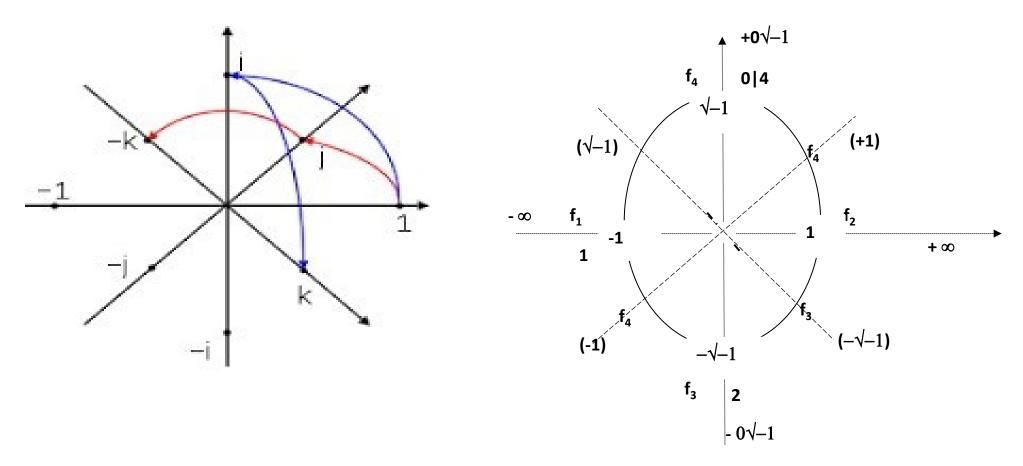
 Processing of Cl-q inputs and outputs by distoproxymal untwistor and proximodistal twistor along Möbius winding topology pass baton in GDS ↔ EDS relay



- Both infinities of Re and Im axes are always normalized in space-time fabric with unities of the same magnitude on reference frame of subsystem. So, these two are essentially orthonormal functions.
- Acceleration invokes decreased slant (and deceleration brings about increased slant in reference to Im axis) of V2 bar. Normalisation of this changed status in reference frame of subsystem with unities of same magnitude involves length contraction and time dilation in case of acceleration. This shows that the unitary relationship between space and time under acceleration also conserves 'squire root over' normalization. This validates absolute constancy of speed of light in discrete oddity condition of equatorial sensory and diffeomorphic motor quadrant.



- Inertial game of stretching and shrinking of polar axis or CNS happens with multiplication and addition respectively along evolutionary journey in EDS and GDS.
- Here identity elements (IEs) are conserved as multiplication on addition in negative feedback loop.
- EDS stretch clockwise (f_4) to maximum (IE-1) slowing clockwise rotation (f_3) in successive GDS addition (IE-1) with shrink GDS stretch anticlockwise (f_4) to maximum (IE-0) slowing anticlockwise rotation (f_3) in successive EDS addition (IE-0) with shrink Continue Orbitally IEs in EDS ($\mathbf{p} \uparrow$) and in GDS ($\mathbf{m} \uparrow$) function in bimodal ED are as: $\mathbf{p} * 1 = \mathbf{p}$; $\mathbf{m} + 1 = \mathbf{m}$; and $\mathbf{m} * 0 = \mathbf{m}$; $\mathbf{p} + 0 = \mathbf{p}$.



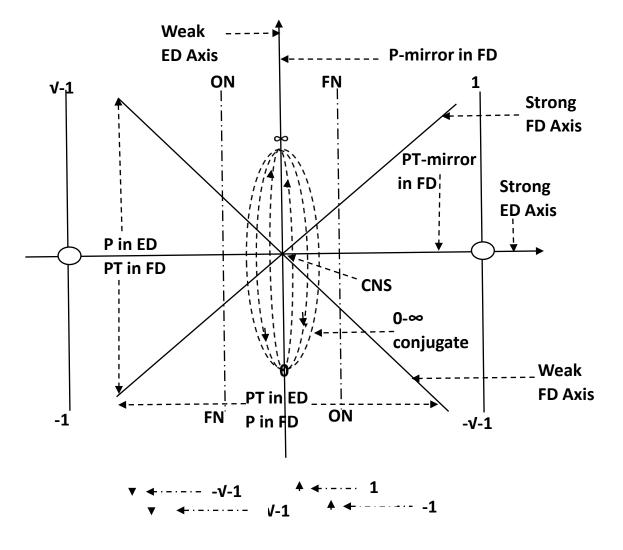
ij=k, ji=-k, ij=-ji, ik=-j, jk=i and $i^2 = j^2 = k^2 = ijk = -1$. (valid in CMF in clockwise multiplication; in anticlockwise one sign is to be changed on the final product)

Equivalency between quaternion space and complex Möbius space

• Present evolutionary journey and volitional journey are encoded as further add-on-memory-over the previous cumulative inversions of windlasses ($\pm j$ and $\pm k$) as hysteresis inching the polar gap at mixed singularities. It is noteworthy that quaternion format is universal i.e., refractory to multiplication and addition operations.

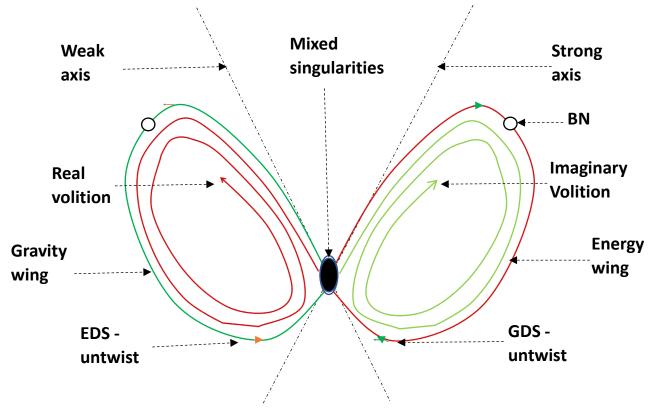
• Sensory wing enforces finite containment (0<n<1) and never allow the functions to reach motor absoluteness ($0 \le n \le \infty$ or $0 \le n \le 1$ in unitary context).

0-1 (p) and 1-2 (m) fractal domains favour dimensional convergence crunch to 3D (p-adic space) as bio-evolute supports self-similarity where in incompressibility condition scalar field replaces vector field (Re>Im equatorially → polar displacement of Im at CNS under absolute churn). They are decoded elementarily as finite primes (memory element) and antiprimes (inter-relational space of Leibnitz) in 3-4 fractal dimension of ascending infinite Prime (on the unspinor background of infinite Antiprime in 3-2 FD).



Both systems share the common frame except the fulcrum and operators' sign/directions

- Axes: ED (mirror in FD) and FD (only ED accepts FD under Möbius complex functional rules) and Quadrants: ED and FD in both ED and FD perspective (rule). Particles: Elementary or hypothetical and pseudo-elementary or sentient.
- Topologically close sensory extremals: FN / slow Cl-q end (-^C|0^Q) / Heavy positions (curled **p**Ds) / BigCrunch Exflation ... & ... ON / fast q-Cl end (+^Q|0^C) / momentum Heavy (curled **m**Ds) / BigBang Inflation.
- In 3-4/3-2D, p|m both in pseudovector polar $(+^{Q}|-^{C})$ form and scalar|pseudoscalar equatorial forms $(+^{C}|-^{Q})$ are ready stance.

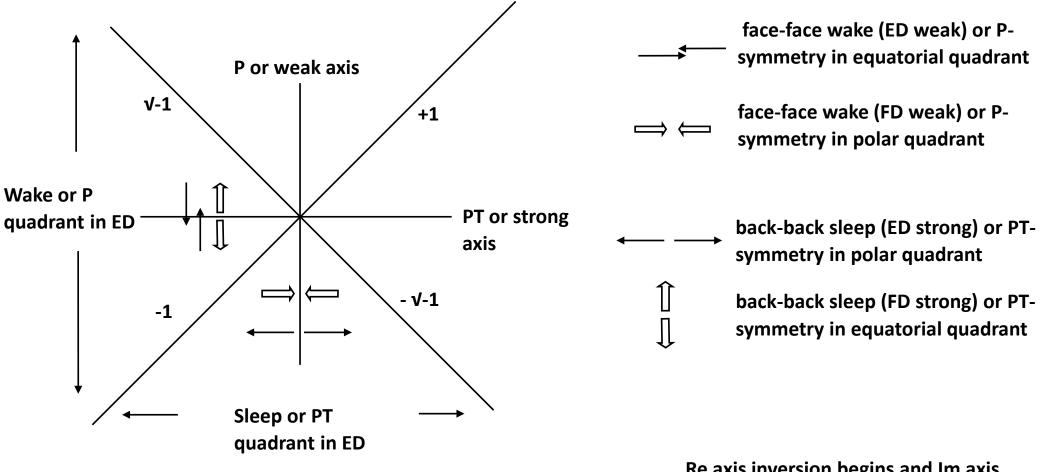


CMF is homologous to classical Lorenz attractor

- FD has two phases: FD and ED. FD-phase is evolutionary journey (alternative EDSuntwist and GDS-untwist) under subcritical stimulation (Superficial Awareness) with intervening tiny ED-phase. In complementary orbital **p** | **m** journey Re and Im can be discriminated but can't be separated.
- Volitional journey or freewill, either Real (Rt. twist) or imaginary (Lt. twist) along gravity wing or energy wing respectively from the pole (opposite to the case of untwist) runs under critical stimulation until the titanic stimulation gets exhausted.
 Here Re and Im can be discriminated as well as separated.

- GDS \rightarrow EDS, evolutionary journey toggles in two steps: Im axis inversion before and Re axis inversion after the ED-phase \rightarrow introduces \mathbf{p} ($+^{Q}$) > \mathbf{m} ($-^{C}$) fluxed fwd (unimodal) by π -chopping along opposite untwistor surfaces of sensory wing \rightarrow h-bar (\hbar) skip as lag one walk over the other. Hence, in EDS sensory wing under untwist operation \mathbf{p} walk over \mathbf{m} fwd. In case of GDS direction of flux reverses bwd. Nevertheless, both advancements involve increased diffuseness either ways towards mixed singularity. Due to indivisible and incompressible nature, entropy ($\mathbf{p}\uparrow$) favour ascending towards ' ∞ ' and due to divisible and compressible nature, negentropy ($\mathbf{m}\uparrow$) favour ascending towards '0'. Journey both ways in ED-phase are simultaneous.
- In vortex model → ascend m↑ (bottom to top) or p↓ (top to bottom) get skipped along 360° journey of EDS or GDS respectively in the formation of Poincare map along distoproximal untwist operation in sensory wings where multiplicative inverse dominates over additive inverse operation (subjectivism) → Lorenz attractor where N dimensional finiteness capture N+1 dimensional infinite trajectory (P|AP) as series of discrete points along phase diagram. But in Nature top/bottom of Vortex reverse under motor execution (objectivism).

- In CMF geometrically P and PT symmetries represent axes : P \rightarrow weak and Im and PT \rightarrow strong and Re in both ED and FD. But in group activity P represent additive and PT multiplicative only in ED .
- In FD f_3 and f_4 symmetries designate physical execution: $f_3 \rightarrow$ denotes shrinking or addition or consolidation in both FD systems (Im and P in EDS and Re and PT in GDS) and $f_4 \rightarrow$ implies stretching or multiplication or diffusion in both systems (Im and P in GDS and Re and PT in EDS). In ED $f_3 \mid f_4$ denote p | m points of mixed singularity.
- Exact events are secretly fenced by FD-windlasses (ED Determinism satisfy all valid probabilities) within '0-symmetry'. This back-back entanglement under even D later may get settled in face-face odd D as incorporated BNs in space-time conformation.
- Individual change under critical volition generally is of insignificant importance in universal context because it is the journey where almost rest other subsystems are in subcritical evolutionary journey.



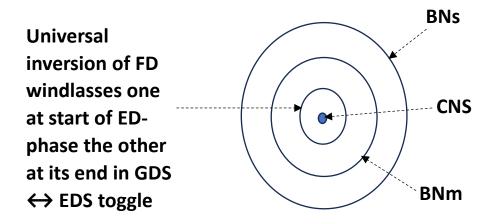
ED relation is more fundamental in complex collage specially in sleep | wake phases

Re axis inversion begins and Im axis inversion ends ED-phase (EDS \rightarrow GDS). Order changes in reverse case.

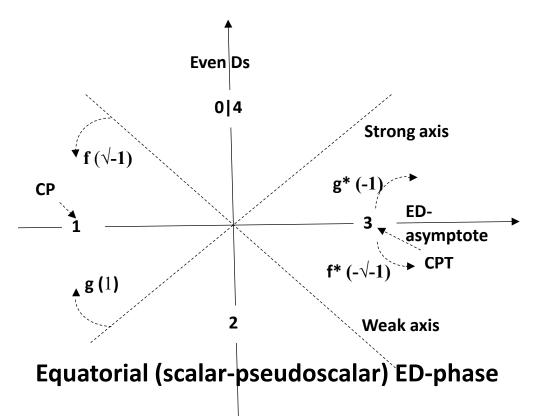
Some cognitive states in combinatorial symmetries of CMF:

- Classico-quantum (Cl-q) measurement: FD wake (V-1...1) in sensory equatorial (eq) quadrant and ED sleep (-V-1...-1) in motor eq quadrant in ED-phase with CNS universally.
- Cl-q mapping $(0 < \pm)$: FD wake (V-1...1) fixed in sensory eq quadrant and ED sleep (-V-1...-1) in motor one in FD-phase of EDS exclusively (q-Cl) map unfixed in GDS.
- Superficial awareness $(0 = \pm)$: ED wake $(\pm \sqrt{-1}... \mp 1)$ in sensory eq quadrant and FD wake $(-1...-\sqrt{-1})$ in alternate polar quadrants in FD-phases of alternate systems.
- NREM sleep: FD sleep ($\pm V-1...\mp 1$) in sensory eq quadrants and ED sleep in (-V-1...-1) in alternate polar quadrants in FD-phases of alternate systems.
- REM sleep: FD sleep ($\pm V-1...\mp 1$) in sensory eq quadrants and FD wake in (-V-1...-1) in alternate polar quadrants in FD-phases of alternate systems.

Equatorial stretch in spinor/unspinor space



- Stretch between incorporating highest infinite P|AP (as BNsensory on N) under subcritical stimulation and current unstimulated P|AP (BNmotor on N+1) is the superficial coat i.e., ±>>0 multiplicative on selective randomness. Deep core i.e., ±<<0 additive, just out of Pure or absolutely unbiased randomness in CNS.
- As C-symmetry is hidden all elementary particles (±1|±V-1) are hidden at source. FD-phase: system untwistors (-1|-V-1 in EDS/GDS Hilbert linear integral operators: g*|f*) shift journey from sensory to motor to cover total 720° → ED-phase: absolute churn at CNS → integral -1|-V-1 in BNm → fusion at BNs by +1|+V-1 Hilbert linear differential operators: g|f → differential limits pseudoelementarily in the form of scalar and pseudoscalar residues (multiplicative inverse at diff. operators > additive inverse → micro fractal economy) ready (CP) be deciphered elementarily (CPT) in motor wing (3D on 4D).



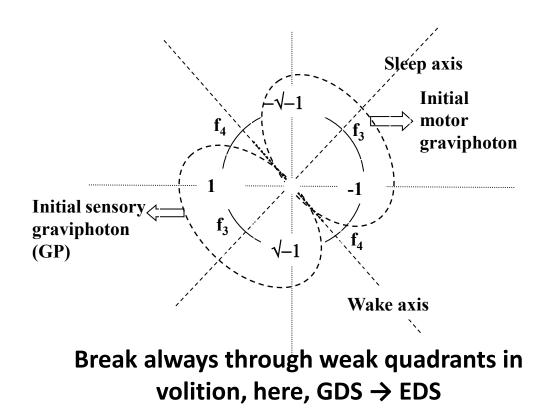
- ED-phase is the diffeomorphism between face-face CP-symmetry [f (V-1) & g (1)] in add. sensory wing and back-back CPT-symmetry [g* (-1) & f* (-V-1) in mult. motor wing. It may be Cl-q measurement i.e., still mode. Cl-q mapping may accompany EDS-untwist of FD-phase (±1, PTsymmetry) in EDS i.e., movie mode.
- π -chopping is a composite function at doorways of ED-phase, same as joint group untwist operation, where system toggles (GDS \leftrightarrow EDS) in unit Planck's time along the beats of cosmic pulsation. In ED-phase EDS and GDS run jointly to get nullified.
- In superficial awareness opposite functions indifferently run alternate in opposite directions, $cPT/(0 = \pm)$ Null trend in FD-phase but in mapping movie mode $cP/(0 < \pm)$ sensory congested trend prevails in indefinite Re/Im spells along hierarchy conditionally.

Primary joint group untwist operation

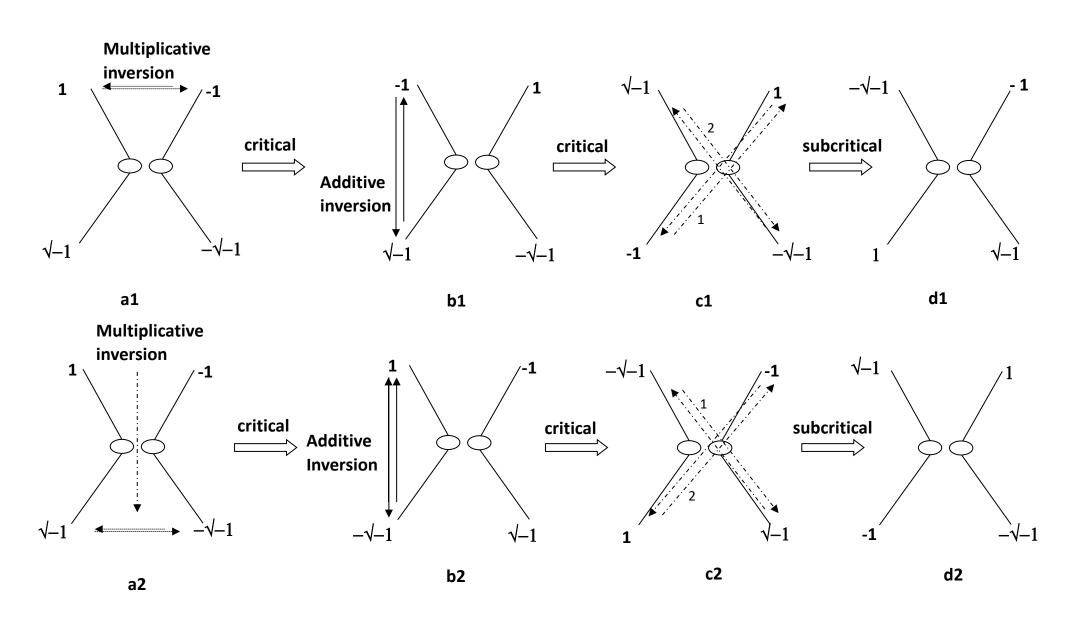
- CPT-symmetry ... in Null upset Grand stimulation synchronize all sporadic stimulations
 ever possible, living (independent equatorially) and non-living (dependent orbitally), on
 dynamic Euclidean field by rare chance under Primary joint group untwist operation.
- Space-time begins in sensory on diffeomorphic motor in equatorial quadrants in Classico-quantum way (3D) where speed of light (escape velocity in complex chaos) is absolute.
- Fundamental particles (fundamental neutrino and tachyon as orbital untwistor) trap highest entropy and negentropy in consolidated (f_3) form as local Visionary \mathbf{p} ($+^Q$) and feeling \mathbf{m} ($-^C$) at sensory polar ends from global motor diffusions (f_4) periodically.
- Relation between elements and pseudoelements can be multiplicative and additive depending on ED or FD rules.
- Objectivism and subjectivism: finite (odd) vs infinite (even) ones.

- Primary multiplicative inverse: complex operation on polar axis with execution along equatorial axis → Dark energy and gravity (1st order) orbitally with all connected individual 'C of Julia's, equatorial component of Intrinsic mass (IM) that control central processing ... Deep awareness (0 > ±) additive ('0') influence is stronger than multiplicative ones ('±').
- Primary additive inverse: complex operation on equatorial axis that orbitally executes, approximate poles \rightarrow Shortening with inversion of sensory wing ... Spontaneous symmetry break: 3 gauge fields (finite: weak \rightarrow 0^C \mp +^Q & strong \rightarrow -^C \mp 0^Q are fields at about the poles and periodically infinite: EM field \rightarrow +^C \mp -^Q, spanned between sensory and motor BN, is equatorial field orbital component of IM (Z* |Z) that control peripheral processing ... Superficial awareness (0 < ±). IMs are selective randomness (finite stretch) collectively self-similar under nesting hierarchy (basic condition) out of Pure randomness (infinite One).
- Void gravity balance the equator: i) weak or conventional gravity (origin ON), resist forward drag contribute to equatorially unstable potential component of extrinsic or physical mass.
 ii) strong gravity collectively resist globally diverging masses forward (→ FN); act in equator as unspinor, local time (-^Q) → intergalactic release as dark matter backward (→ ON) in 3-4D.

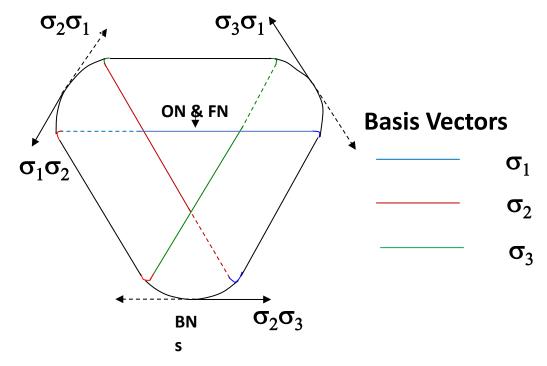
- Intrinsic mass is slanting of $\sqrt{2}$ bar that defines sensitivity and specificity of the subsystem and default tuning of windlasses (at $Z|Z^*=0$). This normalise Re extremals of equatorial axes with Im extremals of polar axis in the subsystem. Finite odd or matter spin of sensory association space extracts nontrivial '0' limit depending on this exclusive selective randomness out of Pure Randomness (absolute churn neutralising ways of even D). This compose epigenomic phenotype that plays the keyboard of genotype of subsystem.
- Center of equatorial axis is set at CNS, site of common capture of universal event under nonstimulation of trivial '0'. It defines source of Bio-evolute i.e., Pure Randomness, central witness, where slanting of √2 bar is neutral (45°). Here, y-intercept of the straight graph plotted by number of boxes touching against increasing scaling factors in log-log scale, is zero → self-similarity where BNm merge with deep CNS in Macroscopic quantum system.
- a) 'C of Julia' a) Continuous or connected (Mandelbrot) i) Independent (living odd consciousness) MQS ii) Dependent (Non-living even subconsciousness/reflectively odd) b) Discrete or disconnected Borderline non-microtubular agents e.g. virus, viroid, prion.



- Bifurcation and reassembling of two halves by group untwist operation resulting shift of system (GDS \leftrightarrow EDS) are two types: i) Typical bifurcation under critical stimulation. This may also be of two types: a) Primary i.e., Grand upset of Parent system and b) Initiation of volitional journey. In both the cases ED-sleep axis is strong axis binds strong ED-quadrants.
- ii) Silent bifurcation under subcritical stimulation happens in FD-phase. Here, group untwist operation involves inversion of both windlasses. Two halves do not get separated rather rearrange within themselves causing system toggle (GDS \leftrightarrow EDS) periodically. Complexly cumulative orbital inertial game feed subsistence of equatorial exclusive IM of subsystem in multiplicative oddity for finite period.



Joint group operations or π -chopping in CMF (1-series EDS; 2-series GDS)



Basis vectors readily decode sensory inputs at diffeomorphic motor wing → store as quaternions

- Trinary codon string, homologous to the supercoiled genome, is the motherboard in sailing spacetime for joystick (IM) that truncates probability in instant favour.
- 3 bosonic forces at 3 conflexures are transform of central bosonic space (note: CNS → BS): pure at equator and mixed near poles.
- Always ON & FN are equidistant and in same direction from BNm.
- In the above basin of equatorial processing of polar information, rotational trajectories always cover same length of journey along both ways ($\mathbf{p/m}$) validate entrapped openangle triangular bosonic space as Finite Rotational Constant. Note: In Riemann $\zeta(s)$ $s=\sigma+it$ where $\sigma=1/2$, up to BNm, denotes present Prime. it denotes present Antiprime.

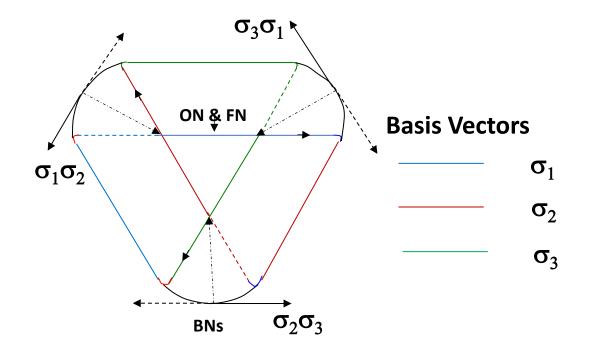
But if one track basis vectors in 3D self-organized strip on 4D background starting from one point beyond the open angle he will come back to starting point. So, even if they decode information by their discrete (oddity) unity vectors apparently, they are basically continuous (Evenness) along with their background. It is noteworthy that principal aphorism of topology demands continuity that is well satisfied, here. Hence Complex Möbius Field validates unification of all fields including Null field i.e., structureless and formless Dynamic Euclidean Field, under topological algorithm.

Lorentz invariance ('0-symmetry' – better be termed as 'Null-symmetry')

- i) Universal event in proper time along ascending present moments on P|AP.
- ii) Rotational invariance: Mutual manifold (Mandelbrot Z ≠ 0) neutralisation of complementary dynamical systems clockwise (entropy objectivism) | anticlockwise (negentropy subjectivism, as relics of investment of energy).
- ED-phase: absolute nonstimulation via 'reset default tuning' of FD-windlasses → source.
- FD-phase (EM): alternate cycle under subcritical stimulation prompt wing neutralisation
 a) unskipped Awareness (CPT) b) skipped Cl-q mapping → Re|Im (movie mode).
- Volition: late neutralisation \rightarrow Re and Im, after exhaustion of critical stimulation.
- Finite Rotational Constant same length of trajectories between ON|FN and BN.
- iii) 'V' (root over) normalization in orthonormality (Re|Im) ensured by neutral (45°) slant of V2-bar in Pure randomness \rightarrow unities of the same magnitude in the Pure core.
- vi) Equatorial creation of Big Bang and Big Crunch simultaneously under CPT-symmetry.

Encoding and Decoding

- σ_1 ('0' 0 | ∞) \rightarrow Null derivatives: $0^{\rm C}$ and $0^{\rm Q}$ (pseudovectors) ascending steps define magnitude of polar lag.
- σ_2 ('+' position vector multiplicative) \rightarrow bivectors: $\sigma_1\sigma_2$ (+ Q) / $\sigma_2\sigma_3$ (+ C) / $\sigma_3\sigma_1$ (pseudovector σ_2): $\sigma_1\sigma_2$ (spinor) and $\sigma_1\sigma_3$ (INS = tcINS-unspinor + hcINS: Back-Back spinor | unspinor) converge towards BN.
- σ_3 ('-' momentum vector additive) \rightarrow bivectors: $\sigma_1\sigma_3$ (-c) / $\sigma_3\sigma_2$ (-q)/ $\sigma_2\sigma_1$ (pseudovector $\mathbf{0}^c$).
- $\sigma_3\sigma_2 + \sigma_2\sigma_3 \rightarrow$ Electricity (+^C + -^Q / Z) fwd electronic equatorial property ('-' charge; electrical field) principally free \rightarrow absolute churn in the core \rightarrow Re, space, spinor in 3-4D (Bimodal ED; convexity fwd, at the center of Möbius strip) $\sigma_1\sigma_2\sigma_3\sigma_3\sigma_1$ (1) Prime scalar.
- $\sigma_2\sigma_3 \sigma_3\sigma_2 \rightarrow$ Magnetism (+^C -^Q / Z*) bwd atomic (nucleus '+' charge North pole; magnetic field) polar property principally fixed Bistability \rightarrow absolute churn in the core \rightarrow Im, time, unspinor in 3-2D, (Bimodal ED; concavity bwd, at the center of Möbius strip) $\sigma_1\sigma_2\sigma_3$ (V-1) Pseudoscalar/trivector.
- Decoding (motor wing) Motor wing decodes sensory inputs by basis vectors and store them cumulatively back as quaternion update in Re + i + j + k format identifying i, j, k with $i^{\sigma 1}$, $i^{\sigma 2}$, $i^{\sigma 3}$ respectively.
- Encoding (sensory wing) Quaternion axes value open angles but being stimulated miss C-symmetry at center of σ_1 (time: rest spaces). σ_1 favour indifference at source; σ_2 σ_3 favour difference at periphery.



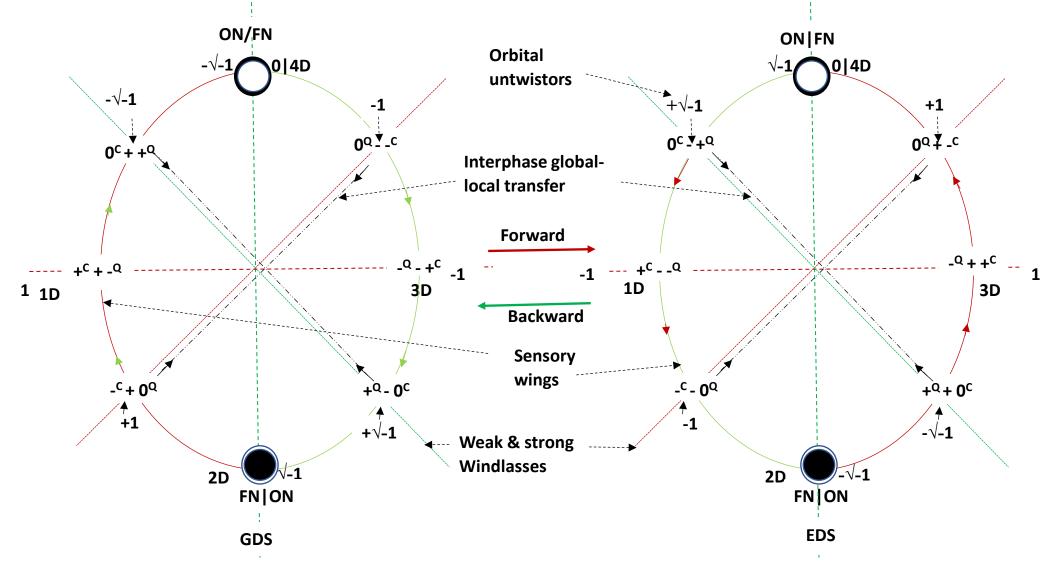
EDS-strip: conventional Rt. hand (p) relation of vectors

- Orthogonal basis vectors edging central open angle triangular space shows Rt. hand (p) relation.
- Bivectors along the two edges of open angle triangle represent rotation anticlockwise (outside-in) as in folded fingers of Rt. hand in reference to third basis vector where arrow on z-axis (i) directs oppositely i.e., clockwise.

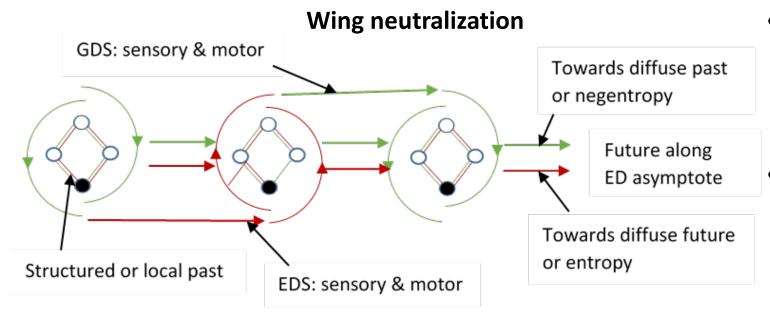
• So, it is self-evident from Geometric Algebra supported by CMF above:

$$\sigma_1 \sigma_2 = i\sigma_3$$
; $\sigma_2 \sigma_3 = i\sigma_1$; $\sigma_3 \sigma_1 = i\sigma_2$

This is exactly the algebra of the Pauli spin matrices, visualized as spin(i)-rotation complementation in complex 3D vector space.



Global to local information transfer in orbital (vector: p|m) FD-phase along cosmic pulsation



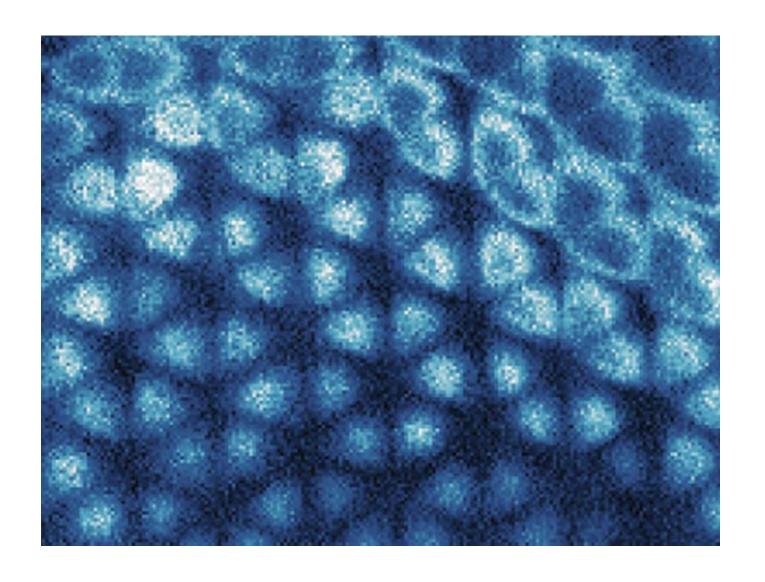
- Primary group untwist operation originates all intrinsic masses, feasible.
- MQS with lower IM covers more space in lesser time to meet next Common station $(\sigma_1 \uparrow > \sigma_2 \downarrow \sigma_3 \uparrow \text{processing} \uparrow)$
- In present moment information processing jointly happens in same tuning microtubular electron (ED-phase) and conjugate tuning microtubular electrons (FD-phase) along the prior series in ED-asymptote towards unknown future both ways.
- Cl-q measurement is inside-out (c), a universal, phenomenon. Mode lock is holding
 EM field on unit electron volt for unit Planck time nullifies all fields → only be reached
 by reflective catch of infinite P as highest incorporated P in BNs i.e., in structured past.

Conclusion

• Finite position is essentially a scalar or rational. Finite position vector (**p**) is dragged scalar, hence a dependent vector. But momentum (**m**) is an independent vector. Both finite primes and infinite Primes are mixed group elements, assembly of both group operators: multiplicative, **p** and additive, **m**. But both finite antiprimes and infinite Antiprimes are solo group elements, formed only by additive group operator, **m**.

• In absolute motor context, position always envelops momentum but in finite sensory (encoder) context momentum always function as boundary solution of position.

 Reductionism is partially correct as the goal stands on visionary that is weak (rational); in contrast, feeling is strong (irrational). Therefore, an approach processing optimum complexity where both tools are incorporated is comprehensive.



First image of a solid made of electrons (Journal: 'Nature Briefing' 30th Sept. 2021)

Prediction expect verification

In the image of previous slide (first image of a solid made of electrons: Journal: 'Nature Briefing' 30th Sept. 2021) where capture of Wigner crystals get magnified, one may notice that <u>electron</u> (a fermion) structurally organizes in the form of a <u>Lorenz attractor</u>.

In my work, "Complex Möbius Field: The Web of Consciousness - Part I", Journal of Consciousness Exploration & Research, 2019 10(1) page 44, this came as an important proposition:

"Therefore, as the input is qualitative, the response is also subjective. In phase space, stimulated journey (critical or subcritical) has the collective appearance of a Lorenz attractor (Fig. 18). One may find that the Lorenz butterfly shaped attractor is the subjective presence of the processing fermion in phase space."

L

References:

[1] & [2] Bidyut K. Sarkar, 2019, "Complex Möbius Field: The Web of Consciousness" - Part I & Part II, Journal of Consciousness Exploration & Research, 10(1): pp. 24-64.

https://jcer.com/index.php/jcj/article/view/785 https://jcer.com/index.php/jcj/article/view/793

[3] Bidyut K. Sarkar, 2020, "Complex Möbius Field: The Web of Consciousness' Revisited", *Journal of Consciousness Exploration & Research*, 11(2): pp. 227-235.

https://jcer.com/index.php/jcj/article/view/872

[4] Bidyut K. Sarkar, 2021, "Pulsatile Macroscopic Quantum Consciousness", *Journal of Consciousness Exploration & Research*, 12(1): pp. 43-54.

https://jcer.com/index.php/jcj/article/view/947

[5] Bidyut K. Sarkar, 2021, "Consciousness & Instrumental Astronomy", *Journal of Consciousness Exploration & Research*, 12(3): pp. 278-286.

http://www.jcer.com/index.php/jcj/article/view/968

[6] Chinmoy K. Bose, Bidyut K. Sarkar, Herbert Jelinek [2009], "Role of Nonlinear Dynamics in Endocrine Feedback," *Chaos and Complexity Letters* (Volume 3, Issue 3), 266-69. http://researchoutput.csu.edu.au/

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Corrigenda

- Lorentz → Lorenz i) Journal of Consciousness Exploration & Research (JCER) 10(1) Complex Mobius Field:
 The Web of Consciousness Part I: Page no. 44 17th line. ii) Part II: Page no. 62 26th and 34th lines.
- local future (- c) and past (+ Q) \rightarrow local past (+ Q) and local future (- c) JCER 10(1) Complex Mobius Field: The Web of Consciousness Part I: Page no. 44 25th line.
- quarternion → quaternion JCER 10(1) Journal of Consciousness Exploration & Research Part II: Page no. 58
 11th and 13th lines.
- two → one and quarternion → quaternion http://researchoutput.csu.edu.au/ Role of Nonlinear Dynamics in Endocrine Feedback: Page no. 28 21st line and Page no. 29 15th line respectively.
- structure → rotational JCER 11(2) 'Complex Mobius Field: The Web of Consciousness' Revisited: Page no. 23
 6th line.
- -V1 → -V-1 JCER 12(3) Consciousness & Instrumental Astronomy: Page no. 279 Fig. 1.