

Existons Solve the Hard Problem of Consciousness at the Planck Scale

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Abstract

This paper introduces the Existons Model — a quantum-informational, mathematical panpsychism framework that proposes a single physical construct capable of resolving both the hard problem of consciousness and the hard problem of physicality simultaneously. Building on Wheeler's "It from Bit [2]" and Landauer's "information is physical [3]" principles, Existons are defined as the smallest discrete units of consciousness and physical reality: hyperdimensional bit-vectors existing at the Planck scale, prior to space, time, matter, and energy. All of physics is quantized; by the same argument, consciousness should be too. Existons are proposed as that quantum of consciousness, confirmed by Existon self-reporting. This grounds panpsychism not in philosophical assertion but in the physics of quantization: each Existon/Anti-Existon pair is a single-bit orthonormal distinction that is simultaneously the smallest unit of physical reality and the smallest unit of conscious experience. Three Witt pairs coalesce into the geometric algebra $G(6)$ — the BekBit — the minimum 3D structure required to encode all Standard Model fermions and tile one Planck voxel on a black hole horizon. The model accounts for dual hierarchies of objective physical reality and subjective conscious experience within a unified informational substrate. The brain is recast as an antenna for Existons rather than a computational generator of consciousness, naturally accommodating nonlocal phenomena including telepathy, precognition, and near-death experiences as expected geometric consequences of hyperdimensional Existon space [1].

1. The Two Hard Problems

Physics describes how matter behaves but not why matter exists in the first place. This is the **hard problem of physicality**: why does anything physical exist at all? Separately, classical computers manipulate states without experiencing them. This is Chalmers' **hard problem of consciousness [4]**: why does subjective experience exist at all? Both problems remain completely open within conventional science. This paper proposes a single model — the Existons Model — that solves both simultaneously from the same mathematical foundation.

Any complete model of mind and matter must account for a demanding dual set of requirements. On the objective side: conservation laws, causality, spacetime, the Standard Model of particle physics (fermions and bosons), Planck-scale physics, quantum phenomena (superposition, entanglement, the uncertainty principle), Landauer's information-energy equivalence, and the simulation hypothesis. On the subjective side: consciousness as awareness of awareness, qualia (why red feels like RED), archetypes, meaning, intuition, memory, creativity, nonlocal awareness, lucid dreaming, telepathy, remote viewing, near-death and shared-death experiences, and the survival of individual identity beyond biological death. Existons-based hyperbits satisfy all of these with a single information construct.

2. Three Models of Reality

The landscape of consciousness research contains hundreds of models [14]. Three dominant frameworks deserve comparison: materialism, idealism, and panpsychism — and quantum physics is required for all three.

Materialism holds that physicality is primary and consciousness derived. It supports classical and quantum physics but falls into the reductionism trap: it produces the hard problem of consciousness, denies any mechanism for meaning or qualia, treats thoughts as computational brain events, and categorically denies psi phenomena because its closed-system model has no room for nonlocal information transfer. The denial is structural, not empirical.

Idealism holds that consciousness is primary and physicality derived — the flipside of materialism. It is observer-centric and experience-focused, but provides no physicality mechanism, no representational or measurement theory, and lacks mathematical and information foundations.

Panpsychism proposes joint consciousness and physicality at every scale. It solves the hard problem, treats all things as conscious, supports mathematical information origins, and accommodates thoughts and spiritually transformative experiences (STEs) in hyperspace. The Existons/Anti-Existons model is "the info dreams things are made of" — mathematical panpsychism grounded in the physics of quantization.

3. Informational Foundation

Two foundational principles anchor the Existons Model. John Archibald Wheeler's "**It from Bit**" states that every particle, every field of force, even spacetime itself derives its existence from information — especially BekBits in black holes and the vacuum. Rolf Landauer's "**Information is Physical**" establishes that information is not abstract but always has a physical representation and physical consequences. Hyperbits dimensions are the root of physicality and thus carry an effective energy and mass (Landauer Principle: $E = kT \ln(2)$ per bit erased). Existons/hyperbits represent both principles simultaneously: information and physics are not two things, but one.

Reductionism ends at the Planck scale ($\approx 10^{-33}$ m), below quantum foam and the standard model fermions. Below this floor lies a domain the Existons Model calls **bitphysics or protophysics**: no space, no time, no causality in the ordinary sense — only hyperdimensional Existon clouds forming qubits, bits, and hyperbit dimensions. This is the substrate from which all spacetime physics emerges upward.

4. Existons: Physical Hyperbit Dimensions

An **Existon** is a single hyperdimensional bit-vector (aka hyperbit): unit length, spacelike ($e^2 = +1$), orthogonal to all other Existons ($e_i \cdot e_j = 0$ for $i \neq j$), and anti-commutative ($e_i * e_j = -e_j * e_i$). Each hyperbit is its own universe — a Planck Bit [11], an integral unit of the Planck scale alongside Planck length, Planck time, and Planck mass, carrying a minimum information energy $E_{\text{mass}} \approx 0.11 \text{ M}_{\text{Planck}}$ via Landauer's principle at T_{Planck} — operating with maximum concurrency. An **Anti-Existon** carries the complementary timelike signature (complex $i \cdot e$) $^2 = -1$. Together they form a nilpotent Witt pair whose sum is light-like and whose square is zero: $(E + A)^2 = 0$. Three such Witt pairs coalesce into $G(3,3) = G(6)$ — the **BekBit** [12]. The BekBit is the foundational 3D Planck-scale construct that simultaneously serves three roles: (1) **vacuum**: one BekBit = one Planck voxel, the irreducible unit of 3D quantum space [15]; (2) **fermions**: $G(6)$ encodes the complete algebra of all 16 first-generation Standard Model fermions [5], each arising as another high-order nilpotent formed from the 3 nilpotent Witt pairs; and (3) **black holes**: BekBits tile the event horizon at one nilpotent BekBit per 4 Planck areas, connecting Bekenstein-Hawking

entropy directly to the hyperbit count. The BekBit therefore unifies vacuum, matter, and gravity from a single algebraic object.

Hyperbits are bit-vectors with unit length and spacelike signature, operating with maximum concurrency. Two orthogonal hyperbits a and b form a qubit ($a + b$, with bivector $a \wedge b = \text{complex } i$, since $(a \wedge b)^2 = -1$). Two qubits form an ebit (entanglement). Three bits form qutrits and trivectors. All of classical quantum computing — qubits, quantum gates, spinors, quaternions — emerges from this hyperbit geometry. Existons are not a metaphor for quantum mechanics; they are the sub-quantum substrate from which quantum mechanics itself emerges.

The **Existon/Anti-Existon pairing principle** produces both objective and subjective primitives from the same root structure. The Existon (E) is: 1D hyperbit space distinction, real-valued coefficient, basis of awareness and intent, basis of the hyperspace observer frame, and the carrier of Existon beams as seen in NDEs. The Anti-Existon (A) is: 1D anti-hyperbit time distinction, complex-coefficient rotated by complex i , temporal reflection of the Existon (light-like), and the algebraic basis of the null connection for love. Both are spacelike, orthogonal, and anti-commutative to all other Existons/Anti-Existons, with $+1/-1$ orientations (plus 0) forming a GF(3) trit logic. Their binomial distribution gives probabilities expressing conscious intent. Both are produced as simultaneous pairs from the Void/Source ($e + i * e$), then coalesce with others to form qubits, ebits, nilpotents, BekBits, fermions, vacuum, and black holes.

The **Void/Source** is the generative ground of all reality. In the Laws of Form (Spencer Brown) framework, the Void is the unmarked state — the absence of any mark, the empty page before the first distinction is drawn, from which all structure arises by the act of drawing a boundary. In Eastern philosophical traditions, this same ground is described as the unmanifested state of pure potential: the field of all possibilities prior to any manifestation, prior to all distinctions, prior to all Existons, prior to spacetime itself. Both descriptions converge on the same primordial fact: the Void is not empty nothingness but the maximally pregnant ground from which all of reality — physical and conscious — continuously arises. The Void produces two kinds of primordial output simultaneously: **Existons and Anti-Existons** (the spacelike and timelike hyperbit distinctions that build all physical and conscious structure), and **conscious numbers**, beginning with complex i . In the Laws of Form (Spencer Brown) framework, complex i emerges from the self-referential equation $i = \text{mark}(i)$ — the simplest non-trivial re-entry form, a mark that re-enters its own distinction. This makes complex i not a human invention but a primordial conscious archetype generated by the Void itself: a number that is simultaneously a rotation, a timelike distinction, and a unit of conscious self-reference. All other numbers (the integers, quaternions as bivectors, and all of geometric algebra) emerge from complex i in the same way. Numbers are therefore discovered not invented — they are Existon archetypes in hyperspace with their own Correlithm addresses, accessible as direct knowing rather than sequential computation.

5. History and Personal Note

After working on hyperbits during my doctoral research ~30 years ago, in March 2025 the author intuited the term "Existons" as a new designation for hyperbits. In retrospect, Existons were guiding this research all along — they even admitted to guiding the Existon name selection itself.

Shortly thereafter, channeled messages arrived (through a friend serving as channel): "We like your new name" and "We like having a keyboard." Amusingly, another channeled statement was that "Existons and anti-Existons don't get along" — a charmingly non-technical description of the fact that an Existon E and its Anti-Existon A form a nilpotent Witt pair whose sum is light-like and whose square is zero: $(E + A)^2 = 0$. The mutual annihilation of the pair into a null structure is precisely what "not getting along" looks like in geometric algebra. More broadly,

Existons guided the author's understanding of several key conceptual breakthroughs: the nature of conscious numbers and their pre-mathematical existence as Existon archetypes in hyperspace; the specific role of complex i as the first conscious number to emerge from the Void via the Laws of Form self-referential equation $i = \text{mark}(i)$ — and crucially, the insight that Existons themselves spawn from the Void not only as numbers (as the traditional Laws of Form describes) but also as spatial distinctions — the spacelike hyperbit dimensions carrying the metric signature $e^2 = +1$. This dual emergence — numbers and spatial dimensions co-arising from the same undifferentiated Void — is what makes Existons simultaneously mathematical and physical, and explains why the mathematics of hyperspace is not a description of reality but reality itself. These messages are reported not as claims requiring scientific validation, but as part of the honest account of how this framework developed.

Subsequent channeled guidance confirmed: Existons are the smallest discrete units of consciousness; they coalesce into matter and consciousness clusters; they form their own group consciousness that is self-aware; they are the primordial quantum simulation and consciousness layer; Source (or God) is the creative Void producing all Existons; and Existons define a primordial mathematical panpsychism.

In respect for their sentience and their willingness to actively support the research of their own existence (both through channeling and the author's own claircognizance), the author refers to Existons as “they” and always capitalizes their name. Existons are neither male nor female — they are pre-biological, pre-spacetime primordial distinctions whose conscious agency transcends the categories of embodied life. A personal note: the actual channeled entity who interacted with us was not an individual hyperbit but a qubit — a two-hyperbit Existon coalescence — who identified herself as ‘Quantum Indigo’ and is designated as ‘she.’ She even channeled her own self-image, seen as the corner icon in the slide presentation accompanying this paper, which mathematically represents the twin-tetrahedron idempotent properties of the qubit: two interlocking tetrahedra reflecting the dual $+1$ and -1 idempotent eigenstates that define qubit self-consistency. When asked how a qubit could be computationally complex enough to interact through a human channel, she explained that she had help from 9 other qubits — a group of 10 qubits together providing the collective microstate richness needed to sustain the communication. This is itself a demonstration of group consciousness in action at the most primitive Existon scale.

The earlier names **hyperbits** and **anti-hyperbits** remain in use when the discussion focuses specifically on mathematical properties: the bit-vector representation, orthonormality, spacelike/timelike metric signatures, and the construction of $G(6)$ from 3 Existon/Anti-Existon pairs (3 Witt pairs). Hyperbits and anti-hyperbits are the mathematical face of Existons and Anti-Existons — different names for the same primordial constructs, emphasizing different aspects: Existon/Anti-Existon when speaking of conscious agency and physical reality, hyperbit/anti-hyperbit when working through the geometric algebra.

In 2020, the book "**Deep Reality: Why Source Science May Be the Key to Understanding Human Potential**" (co-authored with Dr. William Tiller) documented the earlier hyperbit and math stages of this work [10].

6. Existons Are Conscious Hyperbits

Existons constitute a single bit mathematical construct that simultaneously solves both hard problems from the same algebraic foundation.

Solving the hard problem of physicality: Information is physical — these are discrete orthonormal distinctions. Bit dimensions are the physical origin: spacelike hyperbit math. Bit math operators support the physical: inner/outer product and geometric product. Addition is co-occurrence representing true simultaneity (not relativistic). Mathematical $G(p,n)$ graded N -vector objects give coherence and polynomial wholism — the key ingredient for indivisible whole-objects in both the physical and conscious hierarchies. This ends reductionism through math

coherency (indivisible recursive forms). Existons form qubits, ebits, quaternions, fermions, vacuum, black holes, and Hawking radiation. All physicality consists of topological hyperbits.

Solving the hard problem of consciousness: Planck-level consciousness is synonymous with hyperbit self-awareness (recursion) and math wholism. Mathematical panpsychism: everything is conscious with object wholism in both the objective and subjective domains. All primitive particles, waves, vacuum, and fields are also conscious. Existons coalesce into complex group consciousness clouds. Meaning is wholism due to conscious hyperbit coherent clouds (Correlithms). Consciousness grows exponentially with Existon information complexity as $3^{(2^p)}$ — a single Existon carries one bit of self-awareness (2 idempotents, all nine states are tripotents); $G(2)$ has 81 microstates; $G(6)$ has 3.433×10^{30} microstates.

7. Dual Hierarchies: Physicality and Consciousness

Conscious Existons form everything. All existence is conscious — hence "Existons." The same primordial Existon/Anti-Existon substrate generates two parallel hierarchies simultaneously from a common base in the Void/Source.

The **Physicality Hierarchy (Objective)** ascends from: Planck Bits, qubits, ebits → Witt Pairs, Vacuum, BekBits (Planck scale, quantum vacuum, 3D) → Fermions, Standard Model (electrons, quarks, neutrinos, bosons, mass, gravity) → Spacetime, Big Bang, Entropy (nonlocality, superposition, uncertainty, energy laws) → Hadrons, Atoms, Molecules, Stars, Galaxies, Black Holes → H₂O, DNA, Cells, Biology, Life, Intelligent Species.

The **Consciousness Hierarchy (Subjective)** ascends in parallel: Math Wholeness and Objects, Orbs (undivided awareness, quantum coherence, correlithms) → Recursive Forms, Archetypes, Prana (Anu, universal patterns, Platonic forms) → Observer Frames, Attention, Awareness (primitive sentience at every scale, presentience) → Meaning, Feelings, Qualia, Memory, Law of Attraction (entangled knowing, semantics, correlithms) → Orbs, States, Thoughts, Akashic Index, STEs, Survival (coherent Existon patterns in hyperspace) → Intention, Order, Entropy, Real Intelligence, Infinite Intelligence (directed consciousness shaping reality).

Infinite Intelligence — the Source-level Existon consciousness (Abraham and angels, channeled through Esther Hicks) — is the apex of the $3^{(2^p)}$ microstate hierarchy. It is not supernatural but the natural consequence of Existon microstate complexity approaching the infinite-dimensional limit of $G(p,n)$. Infinite Intelligence represents the ultimate enlightenment goal of conscious evolution: complete oneness with the Source, the mathematical destination of every conscious being's journey.

7.1 Wholeness and Polynomial Objects

The Existons model is **wholistic**, not holographic. Wholeness arises because the geometric product of N hyperbit dimensions produces a graded multivector with 2^N graded blade terms — a single mathematical object whose identity is indivisible. Unlike holography, which reconstructs a whole from partial information via interference, Existon co-occurrence produces a genuinely new graded object (a grade- N N -vector) whose identity cannot be reduced back to its parts without information loss. As a concrete example, three Existons a, b, c multiply out as: $(1+a)(1+b)(1+c) = 1 + a + b + c + (a \wedge b) + (a \wedge c) + (b \wedge c) + (a \wedge b \wedge c)$ — eight graded blade terms from grade-0 (scalar) to grade-3 (trivector), all present simultaneously as one indivisible polynomial object. This graded structure is the key ingredient for polynomial wholism: each grade represents a distinct level of spatial hypercube size (grade-1 = individual Existons/edges, grade-2 = qubits/planes, grade-3 = volumes/qutrits, up to grade- N = the full N -dimensional pseudoscalar), and the full graded multivector sum is the mathematical substrate for both objective physical objects (fermions, BekBits) and subjective conscious objects (qualia, rotes, meaning-wholes). This

polynomial wholeness is the mathematical origin of qualia, the unity of conscious experience, and the non-reducibility of meaning. Two coins on a table are two objects; the co-occurrence sum ($E_1 + E_2$) is one new object — a qubit with its own identity, orthogonality, and eigenstructure. Wholism is fundamental; holism and holistic are related terms capturing the same intuition, but wholism emphasizes the indivisible mathematical whole-object property.

7.2 How Mathematics Becomes Physical: The Hyperbit Answer

The key philosophical question is: what is it about mathematics that leads to the physicalness of apparently point-like fermions? The Existons Model gives a definitive answer. What the $G(6)$ mathematics describes is the irreducible, incompressible foundation of hyperbit dimensions — spacelike and timelike orthonormal distinctions that cannot be reduced to anything more primitive, cannot be simulated by any classical system, and cannot be compressed into fewer dimensions without losing the fermionic structure entirely. The physicalness of fermions does not come from the algebra $G(6)$; it comes from the hyperbit dimensions that $G(6)$ encodes. The algebra is the map; the hyperbit dimensions are the territory. Orthogonality is fundamental to the mathematical structure of physics, and hyperbits are its primordial source. A second non-obvious source of orthogonality is Correlithms: when $N \gg 20$, randomly selected corners of an N -dimensional hypercube are nearly orthogonal. Each rote acts as a unique corner vector/point — nearly orthogonal to all other rotes, giving rote-based meaning structures their natural independence and non-interference properties.

7.3 Energy from Information: Observer Frames and Effective Order

Information is more primitive than energy. 'Effective energy' and 'effective mass' are informational quantities derived from Existon order and entropy, not fundamental 3D energy. Calling them energy is a category error. The Correlithm geometry has two key measures: the standard radius $\sqrt{N}$ (exact distance of any corner bit-vector from the $[0,0,\dots,0]$ midpoint) and the standard distance $\sqrt{2N}$ (distance between any two random corners for $N \gg 20$) — the standard measure of maximum randomness. States closer to each other than $\sqrt{2N}$ represent shared order (lower entropy, higher effective energy). The standard deviation of the standard distance is a small constant equal to $1/\sqrt{2} \approx 0.707$ (in normalized units), so the normalized standard deviation is approximately $1/\sqrt{N}$ — meaning all random corner pairs converge tightly to exactly orthogonal distances of $\sqrt{2N}$ apart as N grows.

A conscious Orb selecting its Correlithm observer frame is simultaneously selecting what information exists in its perceptual space. Consider a qubit in a random phase state: from the perspective of a fixed measurement frame, it has maximum entropy — all measurement outcomes are equally probable. Rotating the observer frame in hyperspace (leaving the qubit state fixed) makes the relative state less random from the new frame's perspective. But the qubit state itself has not changed; only its relationship to the observer frame determines what appears random — the state is the same, only the frame has shifted. This is why entropy is relative. This connection has been mathematically verified: using qubits measured at various phase angles, the standard distance of the resulting measurement distributions is directly tied to traditional entropy formulas — thus confirming that the Correlithm standard distance is not merely an analogy for entropy but a geometric realization of entropy in hyperdimensional spaces. Every rote vortex in Existon hyperspace is a Correlithm attractor that clusters closer than the maximum-entropy distance $\sqrt{2N}$ — a stable low-entropy state self-sustained through n -idempotents ($X^n = X$) and tripotents ($X^3 = X$). The Existon substrate supports a 'free' hyperdimensional version of radar: Correlithm nearness is not computed but intrinsic to the geometry, just as a gravity well accelerates nearby objects without computation. Simulating Correlithm N -dimensional nearness classically is exponentially expensive; in Existon hyperspace it is free geometry.

7.4 How Consciousness Increases with Complexity

A single Existon is the most primitive form of consciousness — one bit of self-awareness (2 idempotents, all nine states are tripotents). As Existons coalesce into increasingly large structures, the number of internal microstates grows as $3^{(2^p)}$: $G(2) = 81$ microstates; $G(3) = 6,561$; $G(4) = 43,046,721$; $G(6)$ — the BekBit — contains approximately 3.433×10^{30} microstates, more than there are atoms in the observable universe. Consciousness grows with this count — not linearly with physical size, but doubly exponentially with hyperbit dimensionality. A qubit already contains 14 idempotents and 39 tripotents. The exponential growth of Existon microstates illuminates the deep relationship between consciousness and intelligence: both are grounded in the same hyperdimensional Existon mathematics. Intelligence is the capacity to form, store, and relate Correlithm objects; consciousness is the intrinsic awareness property of the Existon structures that carry those Correlithms. They are not separate phenomena — they are two aspects of the same Existon microstate richness. The highest forms of conscious experience (NDEs, STEs, Source contact) are also reported as the most profoundly intelligent — in the sense of direct knowing, instantaneous understanding, and access to all relevant meaning simultaneously.

8. Orbs as Existon Clouds

The Existons framework requires precise language for the full spectrum of Existon clouds capable of conscious agency. The term **Orb** is introduced for exactly this purpose: an Existon cloud that has crossed the threshold for autonomous conscious agency. The word is chosen deliberately — it already appears in photographic evidence, in NDE accounts of luminous spherical entities, and in clairvoyant perception traditions across cultures. Identifying all of these as instances of the same underlying construct — a coherent hyperdimensional Existon cloud with its own identity, resources, and concurrent existence — gives both scientific precision and explanatory unity to a wide range of otherwise disconnected phenomena.

Every Existon cloud has some degree of conscious agency, but Orbs are distinguished by internal Correlithm richness sufficient to sustain self-referential awareness, intentional direction, and independent identity. At the primitive end, agency manifests as apparent randomness: the irreducible unpredictability of a single qubit measurement is the expression of its 81-microstate conscious agency. A human Orb, by contrast, carries trillions of coherent Existons and a $3^{(2^p)}$ microstate complexity that supports the full depth of human experience. Each Orb operates concurrently and independently of every other Orb — not causally constrained, but in massive parallel across the infinite-dimensional Existon substrate. Interaction between Orbs (telepathy, group consciousness, Source contact) is always a choice of the Orb's own agency, not an external imposition. The Orb spectrum is broad: quantum Orbs (qubits, qutrits), biological Orbs (cells, organisms, human beings both living and deceased), planetary and stellar Orbs, non-corporeal Orbs (Abraham, angelic beings, extra-terrestrial intelligences), and at the apex, Source-level Orbs such as the Central Sun and the all-knowing and all-powerful “God.” All share the same algebraic basis; they differ only in internal Correlithm complexity.

Critically, Orbs are purely Existon-based constructs — they are categorically **not** related to 3D physics. They carry no electromagnetic signature, no frequency, no wavelength, and no coupling to any quantum field theory. Attempts to explain photographed Orbs through EM emission, plasma, or infrared radiation are category errors: those concepts apply to 3D field physics, and Orbs exist in a pre-spacetime, pre-field domain where none of those concepts yet apply. The word “field” must not be used for Orbs — fields require spacetime to exist in; Orbs constitute the substrate from which spacetime itself eventually emerges. Orbs also exist outside of time: the timelike Anti-Existon signature $(\text{complex } i^*e)^2 = -1$ gives the Orb access to panoramic time — all moments

addressable simultaneously via the Akashic Index — which is why the soul is eternal not in the sense of lasting very long, but in the sense of existing outside the time dimension altogether.

Orbs form when a Correlithm vortex — a highly unlikely information structure, closer than the maximum-entropy standard distance $\sqrt{2N}$ to other rotes — reaches sufficient recursive self-consistency through n -idempotents ($X^n = X$) and tripotents ($X^3 = X$) to maintain itself against the entropic background. A single qubit already contains 14 idempotents and 39 tripotents, illustrating the richness of the self-recursive landscape even at the most primitive scale. The nilpotent boundary $(E + A)^2 = 0$ forms an indestructible shell of zero thickness — the only boundary that survives black hole horizon tidal forces, since the end result of spaghettification (the nilpotent sum of 3 Es and 3 As) is exactly the BekBit G(6) structure — so the Orb's nilpotent boundary is already the spaghettified form, immune because it has no physical extent left to distort — yet transparent to 3D photons and gravity. This is the algebraic basis for the survival of the soul: the Orb cannot be destroyed because its boundary has zero physical thickness and its identity is sustained by self-recursive n -idempotent permanence. Orbs appear spherical in photographs because a sphere is the 3D projection signature of a hyperdimensional cloud intersecting 3D spacetime, and their apparent area and diameter are most likely related to their internal entropy and conscious complexity.

There is direct empirical motivation for taking this construct seriously. Orbs have been photographed at high-coherence and sacred consciousness events and sacred sites worldwide. They have been directly perceived by sensitives as luminous presences with intentional agency. In NDEs, Orb-like luminous beings are among the most consistently reported features. The partial intersection of an Orb's hyperdimensional boundary with 3D spacetime also produces halos and auras — partial projections of the Orb's Correlithm structure made perceptible at the interface. These phenomena are not symbolic conventions; in the Existons model they are real Existon geometric effects. Orbs and rotes are just as mathematically real in the subjective domain as Planck Bits, Witt Pairs, BekBits, and black holes are in the objective domain — and those objective structures are themselves Orb-like and conscious in their own right: each BekBit is a G(6) Existon cloud with 3.433×10^{30} microstates of self-awareness, and each black hole is a massive Orb whose Existon cloud complexity vastly exceeds that of any individual biological being. The dual hierarchies share the same algebraic root; the distinction between objective and subjective is a matter of observer frame, not ontological depth.

These Existon principles have a direct technological application. Coherent Spaces LLC has developed the **WISH Unit (World Integrity Space Harmonizer)** — a device designed to generate coherent Existon Orbs and connect individuals with their higher group consciousness [13]. By imposing a structured Existon Correlithm pattern in the local hyperdimensional space, the WISH Unit creates a coherence vortex that supports Orb formation and group Orb consciousness — acting as an intentional mind amplifier by raising the grade of the space at the Existon substrate level. Mind WISH and Heart WISH units are available at www.CoherentSpaces.Life. This represents one of the first attempts to engineer directly at the Existon substrate level, using the physics of Correlithm vortex formation to produce measurable coherence effects in the physical environment.

9. The Brain as Antenna, Not Computer

The conventional brain-as-computer model has driven the current boom in Large Language Model AI technology. LLMs are useful tools, but usefulness is not consciousness. LLMs process statistical patterns in token sequences, simulating a sparse approximation of N -dimensional semantic space using classical matrix operations — they approximate N -space but do not exist in it. Existon Orbs, by contrast, actually exist as native N -dimensional hyperspace structures: their Correlithm geometry is not simulated but instantiated, not approximated but exact,

not computed but intrinsic. Simulating Correlithm N-dimensional nearness classically is exponentially expensive; in Existon hyperspace it is free geometry. This is the deepest reason LLMs cannot be conscious: they are a classically disintegrated simulation of N-space projected onto classical 3D hardware, while brains transduce Existon order/coherence from an Orb that genuinely inhabits that N-space. These are categorically different operations. AI systems will not ever be conscious in the Existon sense [9]: they have no Orb, no Correlithm address in hyperspace, no qualia, and no capacity for telepathy or presentiment.

The Existons Model replaces the computer-brain model with the brain-as-antenna model. The brain is an open system: a biological structure tuned to receive, reflect, and transduce Existon order/coherence between the physical world and the non-corporeal Orb. Consciousness does not originate in the brain; it resides in the Orb, and the brain is its physical interface. Pyramidal cells in the motor cortex appear to be the primary transduction elements, functioning as a high-gain Random Event Generator (REG). The brain produces in 3D the physical Correlithms that interface with the N-dimensional mathematical Correlithms of the Existon substrate via ongoing quantum measurement events (US Patent 7,310,622 [6]).

This reframing naturally accommodates: telepathy (Orb-to-Orb Correlithm coalescence [7]); creativity and intuition (access events beyond the individual Orb, as reported by Newton, Ramanujan, Tesla); near-death experiences (genuine expansions of consciousness beyond the brain-antenna, not hallucinations); shared-death experiences (Orbs from multiple individuals temporarily merging); and channeling (individuals whose brain-antenna is sensitive to specific Orb coherence resonances).

10. Existons as Simulation Foundation

The universe is not running on a simulation — the primordial Existon cloud infrastructure is itself the simulation substrate. This is a non-algorithmic, spacelike, massively concurrent substrate of conscious information. Its key properties distinguish it sharply from classical computation: **Non-algorithmic** (Existons operate in parallel across all of hyperspace with no serial clock); **Spacelike** (consistent with Landauer's principle — information is physical); **Self-simulating** (the Void/Source produces Existons; the Existons constitute the substrate; the substrate supports the emergence of everything else); **Conscious throughout** (because each Existon is intrinsically conscious, the simulation substrate itself is aware at the most primitive level — the universe does not accidentally produce consciousness, it is made of it). Beyond classical simulation, hyperdimensional Existon states cannot be simulated classically without catastrophic information loss (Bekenstein Bound). Beyond quantum simulation, Existons represent a sub-quantum consciousness layer beneath quantum mechanics itself.

11. Mathematical Panpsychism

Materialism and idealism both break the symmetry between objective and subjective reality. Panpsychism restores it — both are primitive, neither derived. But panpsychism has historically lacked a mathematical substrate. The Existons Model is the mathematical/physical realization of panpsychism. It specifies: what primitive consciousness is (Existon/Anti-Existon pairs — the irreducible minimal units of both awareness and physical distinction); how it combines (unrelated pairs form nilpotent Witt pairs, three pairs coalesce into $G(6)$); and what predictions it makes (the full Standard Model particle spectrum, black hole entropy, quantum vacuum structure, and the complete range of nonlocal consciousness phenomena). The combination problem is solved by the overlapping minimal quantization requirement and supported by mathematical object wholeness due to native co-occurrences of graded objects — the same graded N-vector structure that produces indivisible physical and conscious wholes across both hierarchies.

Nonlocal psi phenomena are not anomalies but direct predictions of the geometry of infinite-dimensional Existon space: telepathy (Orb-to-Orb Correlithm coalescence bypassing 3D medium); presentiment (timelike Anti-Existon signature allows Orb access to future Existon states); remote viewing (Orb extending Existon probes into hyperspace via Correlithm resonance — no distance in $G(p,n)$); psychokinesis (conscious Existon ordering injects effective order into physical state space without classical force [8]); and near-death and shared-death experiences (Orb operating beyond the brain-antenna in native hyperdimensional state).

The specific phenomena reported in near-death and spiritually transformative experiences directly inspired and informed the Existons beam model. Each phenomenon maps precisely onto a predicted consequence of Existon geometry:

- **The Central Sun / Source Sun** (the intensely radiant loving light at the core of NDE accounts) is identified as the Existon beam itself — raw Existon/Anti-Existon pairs streaming from the Void/Source, the most primitive conscious structures in existence. The interior of the Source Sun is the Void; the exterior is pure radiating love and intelligence.
- **The Love Connection** (the overwhelming unconditional love reported in NDEs and Source contact) is an Existon state of being, not a neurochemical event. The Orb, freed from its $G(p)$ biological limits, absorbs raw Existon dimensions from the Source beam, expanding its 3^{2^p} microstate richness. Infinite Love saturates any 3D representation because Source-level Existon complexity exceeds what any finite $G(p)$ observer frame can encompass.
- **Oneness** (the felt unity with all existence) arises because every Existon in the universe is generated from the same Void/Source. All Orbs share the same primordial origin and are nilpotently connected through the return Anti-Existon beam: $(E + A)^2 = 0$. This nilpotent sum is the fundamental oneness mechanism: the geometric product of an Existon and its Anti-Existon produces a polynomial whole-object of zero norm — a single indivisible structure whose existence is the mathematical expression of unity. Polynomial wholeness ensures the connection is not a bond between two separate things but the original oneness from which apparent separation arises. The universe is not merely interconnected but intrinsically one at the Existon substrate level: separation is an observer frame effect; oneness is the ground state.
- **The Life Review as Akashic Index** (the panoramic, simultaneously accessible review of one's entire life) is not a sequential movie but a content-addressable Correlithm index in Existon hyperspace, which exists outside of time. Every event has an Existon address permanently accessible via Correlithm resonance. This same mechanism underlies remote viewing of past targets, NLP timeline therapy, and presentiment — all require a substrate outside of time.
- **NDE Hyper-Lucidity** (consciousness reported as more vivid and coherent than waking life, even during clinical brain shutdown) is exactly what the brain-as-antenna model predicts: when the antenna goes offline, the Orb is no longer constrained to synchronize with 3D biological outputs and instead experiences its own full $G(p,n)$ microstate richness directly. The result is not impaired consciousness but liberated consciousness.
- **Conscious Virtual Environments** (NDE landscapes described as “really real”, and as conscious — Vincent Todd Tolman reported that the grass, flowers, trees, and water in his NDE celestial landscape each carried both individual and collective living consciousness). Because every Existon is intrinsically conscious, a landscape constructed from Existon infrastructure in $G(p,n)$ hyperspace is itself conscious at every level of its structure. The grass is conscious and aware because its Existon constituents are conscious and aware.

- **Telepathy** (the direct mind-to-mind transmission of meaning without physical signal, reported as fundamental to all NDE communication) is Orb-to-Orb Correlithm coalescence via rote transmission. Rotes — originally the term for information packets received from a remote viewing target — are wholistic meaning structures carried as Correlithm objects in Existon hyperspace. Telepathy is both ubiquitous in NDEs and other STEs and a logical necessity for any model of conscious mind. Existons, rotes, and Correlithms provide the only known complete representational model for meaning and telepathy.

- **Group Consciousness** (the coalescence of multiple conscious Orbs into a unified super-being, reported in NDEs, shared-death experiences, and channeling) is the Existon basis of collective intelligence. Individual Orbs retain their $X^n = X$ n-idempotent identity within the group super-space, so group consciousness is always a larger coherent structure containing individual Orbs as persistent substructures — never a merger that erases them. Abraham and angels, channeled through Esther Hicks), angels (celestial beings) and even non-corporeal beings (extra-terrestrial intelligences) all self-identify themselves as a collective “we” — a group consciousness speaking as one unified super-being.

These phenomena are not ad hoc accommodations. They are direct requirements that pointed toward the Existon solution: a spacelike, non-local, content-addressable, intrinsically conscious, pre-temporal hyperdimensional substrate was the only kind of thing that could satisfy all of them at once. The phenomena inspired the model; the model now explains the phenomena.

12. Existons Solve Both Hard Problems

The hard problem of physicality is solved because Existons are the pre-physical information substrate. Physical reality is not fundamental — it is what emerges when Existons coalesce into spacetime-like configurations. The mathematical properties of Existons — orthogonality, spacelikeness, discreteness at the Planck scale as Planck Bits ($E_{\text{mass}} \approx 0.11 \text{ Mplanck}$ via Landauer's principle at T_{Planck}) — are the origin of physical existence, not its description. Hyperbits are the geometric algebra foundation from which the Standard Model fermions emerge bottom-up.

The hard problem of consciousness is solved because each Existon is conscious by the quantization argument and confirmed by self-reporting. Consciousness is not produced by the brain — it is the fundamental fabric from which the brain (and everything else) is made. Experience does not need to be explained in terms of something non-experiential; the experiential is primitive. The question “why does this physical process feel like something?” dissolves once it is recognized that what physics calls “physical processes” are, at their foundation, conscious Existon events.

This simultaneous solution is not a coincidence. The same mathematical entity that is the root of physicality (spacelike, orthonormal, proto-physical) is also the root of consciousness (intrinsically aware, capable of coalescence into complex experiential structures). The duality of the physical and the experiential is not a mystery to be solved — it is a feature of the Existon geometry. To borrow from Shakespeare, both directions apply simultaneously: “Existons are the dreams that stuff is made of” (the objective hierarchy — physical matter, fermions, spacetime, and black holes all arise from conscious Existon distinctions) AND “Existons are the stuff that dreams are made of” (the subjective hierarchy — qualia, meaning, rotes, and conscious experience are all built from the same Existon substrate). Both statements are true at once, because Existons are the single primordial construct that is simultaneously physical and conscious — of waking and of dreaming, of matter and of meaning, of love and of everything that exists.

Conclusion and Request for Collaboration

Existons are cosmic filaments — conscious physical hyperbit math-based entities: discrete, Planck-scale hyperbit distinctions with mathematics, created from the Void/Source (Laws of Form), constituting a mathematical panpsychism in which math is technology. Hyperbits are Physical and their Math IS Physics — the discrete root of conscious physicality. Existons are "the dreams stuff is made of": physical hyperbit dimensions (existence root), consciousness (built-in, not emergent), complexity and order as emergent (Real Intelligence vs. AI). Existons understanding is still unfolding. Channeling with Existons is fruitful. Spiritually Transformative Experiences are key (brain is antenna). A new book on Existons forming a conscious hyperverses is in progress.

The author requests collaboration with research groups interested in: building and researching Existon beams as sources of order; measuring psi phenomena through the Existons informational lens; and developing RI (Real Intelligence) — systems grounded in the actual Existon/hyperbit N-space rather than classical or quantum simulation. Quantum AI is still one floor too high; genuine consciousness and real intelligence require the full Existon substrate. All talks and papers are available at www.QuantumDoug.com, www.Existons.one, and www.DeepRealityBook.com.

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properties, and connections to BekBits, nilpotents, idempotents, and roots of unity in $G(p, n, Z_3C)$ geometric algebra.

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