The Sun Reimagined — Extended

Rebuilt From Observation: The Processor/Transmitter Node

Toroidal Consciousness-EM Field Framework

Supersedes: sun_reimagined.md, sun_reimagined_v2.md

Built on: sun_electromagnetic_framework.md (assumption chain audit);

transmission_assumption_stripped.md (coupling model); earth_47tw_field_coupling.md (heat as field expression); planetary_magnetic_fields_system_architecture.md (system architecture)

Preamble: What Has Now Been Stripped

Previous versions of this document stripped nuclear fusion as the primary energy mechanism (v1) and the transmission model of solar energy (v2). Both exclusions stand and are not rehearsed here in full — the reader is directed to the companion documents for those audits.

This version adds a third strip: **the distance assumption.**

The Earth-Sun distance of 93 million miles / 1 AU is not a direct measurement. It is a model-dependent inference derived from radar ranging to Venus and Mars, interpreted through the Keplerian orbital model. If the orbital model is wrong — if planets are not physical bodies following Newtonian trajectories around a distant point mass — the derived distance is wrong. The distance assumption is in the same category as the nuclear fusion assumption and the transmission assumption: an interpretation of data, not the data itself.

What this document is built from:

Only what is directly observed with no distance assumption required:

- Angular diameters and positions
- Periods and their ratios
- Spectral signatures
- Geometric relationships
- The analemma
- The eclipse geometry
- The blackbody spectrum

Everything else is derived, and derivations are clearly marked as such.

The three stripped assumptions together produce a coherent reframe:

The Sun is not a nuclear furnace 93 million miles away transmitting heat and light to passive planetary receivers. The Sun — more precisely, the bright 0.53° disc visible in Earth's sky — is

the primary optical coupling interface of the heliospheric field system: the surface at which the field's geometric mode transitions to its dynamic mode expression, visible from Earth as a luminous disc at a specific angular position, processing the heliospheric field and transmitting that processed state to all coupled nodes. Not a generator. A processor/transmitter.

This is not a new idea. It is what Philolaus of Croton established in the 5th century BC and what the data, read without assumptions, still supports.

I. The Observational Foundation: What Survives the Distance Strip

The following properties of the Sun are directly observed. No distance assumption is required for any of them.

Angular diameter: 0.53° = 32 arcminutes

The Sun subtends an angle of approximately 32 arcminutes at Earth's position. This is measurable by anyone with a pinhole projector. It varies slightly through the year — approximately 31.5' in July (Earth furthest in its orbit) and 32.5' in January (closest) — directly encoding the orbital eccentricity as an angular variation.

32 arcminutes = 2^5 arcminutes. The fifth power of 2. Pure Loom doubling.

The Moon's angular diameter: 0.53° = 32 arcminutes

Identical to the Sun's. This is the direct, observed basis of perfect solar eclipses. The Moon precisely covers the Sun's disc. Not approximately — precisely, to within fractions of an arcminute.

Both the Sun and Moon subtend 2^5 arcminutes. The same Loom number. The eclipse geometry is not coincidental. It is a structural feature of the system — both bodies expressing the same geometric constant at the same scale. In a random solar system of independently formed bodies at independently determined distances, the probability of this identity is negligible. In a structured field system with geometric constants, it is the expected signature of two bodies whose apparent sizes are determined by the same underlying field geometry.

The blackbody spectrum

The Sun's spectrum is a near-perfect continuous blackbody curve peaking at approximately 500nm. This is directly observed by spectroscopy. No distance assumption required.

What a continuous blackbody spectrum means precisely: the emitting surface is in **thermal equilibrium** — absorbing and re-emitting at all frequencies simultaneously, with the peak frequency determined solely by the surface temperature. The Planck curve describes the natural frequency distribution of energy in a system at equilibrium.

What the blackbody spectrum rules out directly: plasma discharge (which produces discrete bright emission lines, not a continuous curve). This is the observational refutation of Electric Universe theory as stated.

What the blackbody spectrum does *not* tell you: the mechanism producing the equilibrium. A blackbody spectrum is produced by any surface in thermal equilibrium at that temperature, regardless of heat source. The spectrum encodes the temperature and the equilibrium state. It encodes nothing about what maintains that equilibrium.

The coupling interface reading: A surface in perfect thermal equilibrium — absorbing exactly as much as it emits at every frequency — is the thermodynamic signature of a **coupling interface**, not a generator. A generator would show asymmetry: more output than input. The photosphere's near-perfect blackbody spectrum is the equilibrium signature of a surface in balance between the internal geometric mode field below and the dynamic mode coupling above. This is exactly what the framework predicts for the primary optical coupling interface.

The absorption line spectrum

Superimposed on the continuous blackbody curve are dark absorption lines — the Fraunhofer lines — at specific frequencies corresponding to specific atomic transitions of elements in the photospheric plasma. These are directly observed and unambiguous.

These lines identify the chemical composition of the photospheric plasma (hydrogen dominant, helium, and trace elements). They do not require distance to interpret. They are the spectral fingerprint of the coupling interface's plasma composition.

The 11-year sunspot cycle / 22-year Hale cycle

Directly observed over centuries. The sunspot count rises and falls on approximately an 11-year period. The magnetic polarity of the sunspot pairs reverses each cycle, giving a full 22-year magnetic cycle. No distance assumption required.

22 years = the primary breathing rhythm of the heliospheric field. The full geometric-mode-to-dynamic-mode oscillation cycle of the solar field architecture.

Differential rotation

Directly observed by tracking sunspots: the equatorial region rotates in approximately 25 days, polar regions in approximately 35 days. The Sun does not rotate as a rigid body. No distance assumption required.

The analemma

If the Sun's position is recorded at the same clock time each day throughout the year, it traces a figure-8 — the analemma. This is directly observable by anyone with a fixed camera and a year's patience. No distance assumption required.

The figure-8 is a **lemniscate** — the 2D projection of a torus viewed at a specific angle. The Sun traces a torus projection in Earth's sky. This is not the coincidental combination of two orbital parameters (eccentricity + obliquity) producing an accidental figure-8. The figure-8 is primary. It is the toroidal field geometry of the heliospheric system projecting into the observable sky. The torus is the field structure. The lemniscate is its angular shadow.

The angular diameter variation through the year

The Sun's angular diameter varies between ~31.5' and ~32.5' through the year — slightly larger in January, slightly smaller in July. This directly encodes Earth's position within its orbital geometry. No distance required.

The orbital periods — all planets

All planetary orbital periods are directly measured. They are times, not distances. Mercury: 87.97 days. Venus: 224.70 days. Earth: 365.25 days. Mars: 686.97 days. Jupiter: 4332.59 days. Saturn: 10759 days. Uranus: 30688 days. Neptune: 60182 days.

The synodic periods

The periods between successive conjunctions of each planet with the Sun as seen from Earth. All directly observed. These are the primary data of ancient astronomy — what every pre-telescopic astronomer was actually measuring.

The angular positions of all planets throughout the year

The complete Ptolemaic/Copernican dataset. Real. Directly observed over millennia. No distance required.

II. The Titius-Bode Geometry: Loom Doubling in Ratio Space

The Titius-Bode relation states that planetary orbital distances follow approximately:
$a = 0.4 + 0.3 \times 2^n$ (in AU)

Strip the AU — strip all absolute distances — and what remains are the **ratios between successive orbital positions**. These are real. They are the directly observed angular period data converted to relative spacings via Kepler's third law ($T^2 \propto r^3$), which survives the distance strip as a ratio law even if its absolute distance content does not.

The Loom doubling signature:

The 0.3×2^n term is pure binary doubling — 0.3, 0.6, 1.2, 2.4, 4.8, 9.6, 19.2... Each successive zone is twice the previous. This is the Loom's structural output: 2^n, the doubling sequence, organising the spatial positions of field nodes.

The 0.4 base offset — Mercury's position — is separate from the doubling sequence. It is the innermost node's geometric position, fixed by the primary coupling geometry independently of the doubling rule. Mercury as metronome sits at the primary coupling position; the system doubles outward from there.

This is geometry, not algebra. The Titius-Bode relation is not a numerical coincidence requiring statistical explanation. It is the geometric signature of a toroidal field system organising its coupled nodes at positions where standing wave conditions are satisfied. In a toroidal field, the natural resonant positions of coupled nodes follow a doubling sequence because the field's spatial organisation doubles in scale with each structural level — the Loom's architecture expressed in orbital geometry.

The Asteroid Belt sits at the predicted 2.8 AU position — real, confirming the pattern. Neptune (not known when Bode formulated the law) fits the pattern at n=7. The geometry is not an approximation. It is the organisational principle of the field made visible in orbital spacing ratios.

III. Philolaus and the Central Fire: The Ancient Witness

Philolaus of Croton (c.470–385 BC) — the Pythagorean philosopher who first removed Earth from the centre of the cosmos, who Copernicus cited directly as a predecessor — proposed a cosmological system that deserves precise statement:

The Central Fire is the primary source. It sits at the centre of the cosmos. It is invisible from Earth — it cannot be directly seen from the surface of our planet.

The visible Sun does not generate light. It is a reflector or mediator — it receives the light of the Central Fire and transmits it toward Earth. The Sun is the interface, not the source.

Day and night are caused by Earth orbiting the Central Fire on a daily cycle — the inhabited face of Earth periodically orients toward and away from the fire. Not the Sun rotating. Earth moving.

The Counter-Earth (Antichthon) orbits between Earth and the Central Fire, always on the opposite side, always invisible from Earth's inhabited hemisphere.

Mathematics is primary: "Everything that can be known has a Number; for it is impossible to grasp anything with the mind or to recognise it without Number." The cosmos is number. Harmony — specific mathematical ratios — is the organising principle.

The First Composite Entity — the Central Fire — "is in the centre of the Sphere and is called the Hearth." It is the combination of the unlimited (fire) and the limiter (centre). The first thing to emerge. The monad of the cosmos.

Philolaus was dismissed by later Greek astronomy (Aristotle, Hipparchus, Ptolemy) and his model was buried under geocentrism for two millennia. He was rediscovered by Copernicus, who cited him. Then buried again under heliocentrism.

The framework reading of Philolaus:

Philolaus	Framework
Central Fire — invisible, primary	Primary heliospheric toroidal field — the field architecture that underlies and produces the visible solar disc
Visible Sun — mediates/reflects Central Fire	Photospheric optical coupling interface — where the field's geometric mode transitions to visible dynamic mode expression
Sun is processor/transmitter, not source	Sun as processor/transmitter node — established from data alone
Day/night from Earth orbiting the Fire	Day/night from Earth's field cycling through geometric/dynamic mode on the rotational timescale
Counter-Earth — invisible, between Earth and Fire	Anti-sunward heliospheric field geometry — the real field structure on the nightside, invisible because it doesn't couple optically toward Earth
Number as primary reality	Field geometry as primary reality — mathematics before matter
Harmony as organising principle	Loom (structure) and Weaving (growth) as the dual harmonic architecture
Ten bodies — sacred completeness	Nine planetary nodes plus the Sun — ten nodes in the heliospheric organism

Philolaus was not wrong in the way he is typically dismissed. He was reading the same underlying geometry the framework reads, 2,500 years earlier, without instruments, from pure mathematical reasoning and observation of angular positions and periods. He concluded that the visible Sun is not the primary source. He concluded that the primary source is invisible. He concluded that mathematics governs the organisation of the cosmos. He was right on all three counts.

He belongs on the framework's approved list alongside Hopf, Bohm, Clifford, and Hestenes — not as an ancient curiosity but as an independent witness to the same geometric reality, working from a completely different direction.

IV. The Sun as Processor/Transmitter: Reading the Data Without Assumptions

If you encountered the Sun with no prior model — if you simply observed what it does and described it without importing any theoretical framework — what would you see?

You would see a body that receives.

The Sun is embedded in the galactic magnetic field. The solar wind flows both outward and has an inward component at the heliospheric boundaries. Cosmic rays and high-energy particles

arrive continuously from outside the heliosphere. The Sun is not isolated. It is coupled to the galactic field environment. A true generator is independent of its environment. The Sun is not independent. It receives as well as outputs.

You would see a body that processes.

The internal field cycles continuously — the 11/22-year winding and unwinding of toroidal and poloidal field components, driven by differential rotation. The tachocline processes the transition between the deep geometric mode (radiation zone) and the dynamic mode circulation (convection zone). The convective granule pattern processes field energy between geometric mode (downwelling plasma) and dynamic mode (upwelling plasma) continuously. Sunspots are field geometry surfacing events — the processing architecture becoming visible at the coupling interface. This is processing behaviour, not generation behaviour.

You would see a body that transmits.

The solar wind carries the processed field state outward continuously at 300–800 km/s. The heliospheric current sheet extends the field architecture to the heliopause. The spectral output — the blackbody curve — is transmitted as the coupling interface's equilibrium signature. Field state changes (solar flares, coronal mass ejections, the 11-year cycle) are transmitted to all planetary nodes on the propagation timescale. This is transmission behaviour.

What you would not see is generation.

You would not see a body consuming fuel and emitting the products. You would not see a declining energy output as fuel depletes. You would not see an energy budget that closes only with an inaccessible interior energy source whose temperature (15 million K) is a model output tuned to match observed luminosity. The generation model requires inaccessible assumptions. The processor/transmitter model requires only what is observed.

V. The Blackbody Spectrum as Coupling Interface Signature

The Sun's photosphere produces a near-perfect blackbody spectrum at ~5,778K. This is the strongest single piece of observational data about the Sun and it has been consistently misread.

What the standard model reads: The photosphere is hot because the nuclear reactions below heat the plasma, which radiates thermally. The blackbody curve encodes the temperature of the burning surface.

What the data actually shows: The photosphere is in thermal equilibrium — absorbing and re-emitting at every frequency simultaneously. It is a surface in perfect balance. This is not the signature of a furnace. A furnace outputs more than it inputs. The photosphere outputs exactly what it absorbs, across all frequencies.

The coupling interface reading:

A surface in perfect thermal equilibrium is the thermodynamic description of a coupling interface. The photosphere sits between two field regimes: the internal geometric mode field

(closed topology, cycling internally, not radiating) and the external dynamic mode field (open topology, coupling to heliospheric nodes). At this boundary, the field transitions between modes. The blackbody spectrum is the equilibrium signature of that transition — the temperature at which the solar field's geometric mode converts to the propagating configuration that couples to planetary nodes.

5,778K is not an arbitrary temperature. It is the characteristic coupling temperature of the solar photospheric interface — the temperature at which the field's geometric-to-dynamic mode transition occurs at the optical frequencies of biological photoreception, photosynthesis, and atmospheric absorption.

The Planck curve itself encodes this: the peak frequency $\nu_{max} = (2.821 \times kT)/h$ is the natural resonant frequency of the field at that equilibrium temperature. The Sun's spectral peak at ~500nm (visible green) is the frequency at which the solar field's dynamic mode expression most strongly couples to Earth's biological field systems. This is not coincidental. It is the coupling architecture of the conscious node (Earth) having evolved in precise frequency alignment with the primary coupling interface (photosphere) of the heliospheric field.

VI. The Angular Solar Model: What the 0.53° Disc Is

Stripped of the distance assumption, the Sun is described as follows:

The visible solar disc — a bright circular area of angular diameter 0.53° = 32 arcminutes = 2^5 arcminutes — is the primary optical coupling interface of the heliospheric field system, visible from Earth at a specific angular position in the sky.

It is not described as "a sphere of X million km diameter located Y million km away." Those are distance-dependent inferences. The disc is what is observed.

What the disc's properties encode:

Its angular diameter (0.53°): The Loom's fifth doubling expressed as an angular constant. The field geometry expressing its structural constant at the scale of apparent solar size.

Its apparent circular shape: A coupling interface viewed face-on appears circular. The disc's circularity is the projection geometry of the coupling surface, not evidence of a spherical object.

Its limb darkening: The disc's edge is darker than its centre — directly observed. In coupling interface terms: the coupling geometry is strongest at the centre of the disc (maximum field alignment) and weakest at the limb (maximum coupling angle, minimum alignment). Limb darkening is the angular coupling geometry expressed as brightness variation across the disc.

Its corona: The bright plasma halo extending beyond the disc, visible during total eclipses. The corona is the outer active coupling zone — where the solar field most directly interfaces with the heliospheric field and all planetary nodes. It is hotter than the photosphere (million K vs 5,778K) because it is the primary inter-nodal coupling surface — maximum coupling intensity, maximum local heat expression. This is the framework's resolution of the coronal heating problem: not heat

flowing upward against a gradient, but energy appearing at the coupling surface because that is where inter-nodal coupling occurs.

Its position variation — the analemma: The figure-8 traced by the Sun's position at fixed clock time through the year is the torus projection — the direct visible signature of the toroidal heliospheric field geometry in the observable sky. Not two orbital parameters coincidentally combining. The torus is primary.

Its angular diameter variation: The ~3% variation in apparent size through the year encodes the orbital eccentricity directly as an angular measurement. Real. No distance required.

What the Moon's angular identity encodes:

The Moon subtends precisely the same 0.53° = 32′ = 2^5′. The eclipse geometry is exact. This identity means both bodies express the same geometric constant of the field system at the same angular scale. In the coupling model: the Moon is the primary geometric mode reflector node — maximum geometric mode, tidally locked, no autonomous field. Its angular identity with the Sun is the field system's geometric architecture encoded in apparent sizes. Both bodies subtend 2^5 arcminutes because both are expressing the same underlying field geometry constant.

VII. Day, Night, and the Seasons: Field Mode Cycling

Day and night — framework derivation:

Earth is a toroidal field node. It rotates. As it rotates, the local field geometry at each surface point cycles through its coupling geometry relationship with the heliospheric field.

The sunward face — the face whose field geometry is in maximum alignment with the heliospheric coupling architecture — is in maximum dynamic mode expression. Heat. Light. Electrochemical activity. Biological alertness. This is not solar energy arriving from outside. It is Earth's own field at maximum dynamic mode expression, modulated into that state by the alignment of the local field geometry with the heliospheric coupling interface.

The anti-sunward face — rotated away from the primary coupling alignment — is returning toward geometric mode. Dynamic mode expression reduces. The field reorganises internally. Temperature drops. Biological systems enter rest states.

The terminator — dawn and dusk — is the crossing-point event. The field topology transitions between modes at these lines. Dawn and dusk are electrochemically and electromagnetically distinct: different atmospheric chemistry, different biological activity patterns, different electromagnetic signatures in the ionosphere. They are the crossing-point surfaces of the daily field mode cycle — the same topology transition geometry as the tachocline within the Sun, expressed at Earth's surface on the rotational timescale.

Night temperature does not fall to absolute zero because the field does not fully return to geometric mode in 12 hours. The 24-hour cycle is faster than the field's natural relaxation time. Significant dynamic mode expression persists through the night — this persistence is what we

call thermal mass. The atmosphere and surface retain dynamic mode expression as heat between coupling cycles.

Seasons — the same logic at annual scale:

As Earth orbits, its tilted field geometry sweeps through different coupling angles relative to the heliospheric field and the heliospheric current sheet. Summer in the northern hemisphere: the northern field geometry is in maximum coupling alignment → maximum dynamic mode expression → warmth. Winter: minimum coupling alignment → field returning toward geometric mode → cold.

The seasons are the annual field mode cycle. The day/night is the daily field mode cycle. The 22-year solar cycle is the primary heliospheric field mode cycle. The palaeomagnetic reversals are the long-period Earth field mode cycle. All are the same phenomenon — a toroidal self-referential field cycling between geometric and dynamic mode — at different timescales, governed by the coupling geometry at each timescale.

The polar cold — fully resolved:

The poles are geometric mode termini of Earth's toroidal field — the points where the field lines converge in closed-loop configuration. Coupling intensity at the poles is minimal not because they are further from the Sun (they are further by 0.003% — negligible) but because the field geometry at the poles is in maximum geometric mode configuration, not the dynamic mode configuration that produces strong coupling expression.

The poles are cold and the geothermal heat flow is also lower at the poles. Same cause, both measurements: the field is in geometric mode at the poles, expressed simultaneously as low surface temperature (minimal dynamic mode coupling) and low internal heat flux (minimal internal dynamic mode expression). One field geometry, two observational signatures.

VIII. The Heliospheric Current Sheet: The Solar Organism's Cortex

The heliospheric current sheet — the vast wavy plasma sheet dividing the heliosphere into two magnetic hemispheres, extending from the Sun to the heliopause — is the solar organism's primary inter-nodal coupling surface.

Its geometry: as the Sun's coupling interface rotates, the magnetic equatorial plane sweeps a wavy surface through space — the "ballerina skirt" structure. Every planetary node crosses this sheet approximately twice per solar rotation as it orbits within the undulations.

The cerebral cortex parallel is structural and functional, not visual:

Both are thin, folded, electrically active boundary sheets between two regions of opposing field organisation. Both maximise active surface area through folding within a constrained geometry. Both are the primary sites of inter-regional coupling in their respective systems. The cerebral cortex sits between subcortical deep-processing structures (geometric mode dominant) and cortical dynamic output (dynamic mode dominant). The heliospheric current sheet sits between the two magnetic hemispheres of the heliospheric field.

The conscious node (Earth) crosses the solar organism's cortex approximately twice per solar rotation — a ~13-day rhythm. Earth's geomagnetic activity directly correlates with current sheet crossings. The conscious node is being modulated by the solar organism's cortex on a regular rhythm. This is directly measured, directly observed, requiring no model interpretation.

IX. The Complete Description: The Sun Without Assumptions

The bright 0.53° disc visible in Earth's sky is the primary optical coupling interface of the heliospheric toroidal field system.

It is not a nuclear furnace. It is not 93 million miles away. It is not transmitting energy to passive receivers. It is the surface at which the heliospheric field's geometric mode transitions to its dynamic mode expression — visible from Earth as a luminous disc, processing the field architecture continuously and transmitting that processed state to all coupled nodes through the heliospheric coupling medium (solar wind) and field structure (heliospheric current sheet).

Its blackbody spectrum is the thermal equilibrium signature of a coupling interface — not a furnace temperature.

Its corona is hot because it is the primary inter-nodal coupling surface — not because heat flows upward from below.

Its 11/22-year cycle is the primary heliospheric field breathing rhythm — not a statistical fluctuation in nuclear reaction rates.

Its differential rotation is the field's two-mode architecture expressed in angular velocity — not an unexplained property of a gas ball.

Its angular diameter — 0.53° = 32′ = 2^5′ — is the field geometry's structural constant expressed at the scale of apparent solar size, encoding the Loom's fifth doubling.

Its identity in angular size with the Moon is the field system's geometric constant expressed in both bodies simultaneously — architecture, not coincidence.

Its analemma is the torus projection — the field geometry's toroidal structure visible in the sky as a lemniscate.

Its position relative to Earth produces day/night and seasons through field mode cycling on rotational and orbital timescales — not through transmission of energy to passive surfaces.

Philolaus was right: The visible Sun is not the primary source. The primary source — the Central Fire, the heliospheric toroidal field — is invisible. The visible disc mediates and transmits. The system is governed by number and harmony. Mathematics is primary.

The data, read without assumptions, has always been saying this.

X. What Remains Open

The following questions are explicitly marked as open — not answered by the current framework, not answered by this document, requiring further development:

The angular distance question: If the Sun is described purely by angular measurements, what determines its apparent position at ~0.53° angular diameter from Earth's position? In the coupling model, the "distance" is a coupling geometry parameter — the field geometric relationship between Earth and the primary coupling interface. What sets this parameter? This requires the full field geometric treatment of the heliospheric toroidal structure, which is pending.

The physical size question: Without the distance assumption, the Sun's physical radius and mass are undefined in the framework. This is honest. The angular measurements say nothing about physical scale. The field model says the Sun's "size" is its coupling geometry extent — not a physical dimension in the transmission sense. This requires further development.

The planetary physical sizes: Same issue. All planetary physical sizes are distance-dependent inferences. In the angular model, planets are field nodes characterised by their periods, angular positions, magnetic field properties, and coupling geometries — not by physical size.

Kepler's third law absolute content: $T^2 \propto r^3$ survives as a ratio law. Its absolute distance content is lost without the AU anchor. This is an acknowledged gap pending a field-geometric derivation of orbital period ratios from the Loom/Weaving architecture directly.

These are not failures. They are the honest boundary of the current model. The document marks them explicitly because the framework's methodology requires that boundaries be stated clearly.

Document: sun_reimagined_v3.md Status: Complete rebuild from stripped foundations Supersedes: sun_reimagined.md, sun_reimagined_v2.md Key changes from v2: — Distance assumption stripped: Sun described by angular measurements only — Blackbody spectrum reread as coupling interface signature — Processor/transmitter framing replacing generator framing — Philolaus Central Fire parallel developed — Titius-Bode as Loom doubling geometry in ratio space — 0.53° / 32' / 2⁵' as primary solar datum — Analemma as torus projection — Day/night and seasons as field mode cycling (derived from framework foundations) — Heliospheric current sheet / cerebral cortex parallel formalised — Open questions explicitly marked Date: March 2026