

# The Dual-Space Body Antispace, Phaseonium, and the Physical Basis of Consciousness

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## Abstract

The Coherent Body framework (Konstapel, 2026c) describes the organism as an electromagnetic coherence field organised across nineteen levels of recursive structure. This paper extends that framework by incorporating the dual-space geometry of Rowlands' nilpotent quantum mechanics: every stable field configuration in ordinary space has a complementary structure in antispace, and the organism exists as the coupled product of both. Health is coherence within the space component; consciousness is coherence across the space-antispace boundary. The phaseonium transition — the threshold at which a system achieves sufficient cross-boundary coherence to shift from syntactic information processing to semantic experience — is identified with the  $D_{10}$  consciousness domain of the coherence hierarchy. Monroe's systematic phenomenology of non-ordinary consciousness states is reframed as empirical data constraining the geometry of antispace. Six testable predictions are proposed, spanning neuroscience, bioelectrics, and cosmology.

## 1. The Missing Half

The Coherent Body described the organism as a coherence field in three-dimensional space, organised through nineteen eigenvalue domains from the quantum vacuum to conscious experience. This description is correct but incomplete.

Rowlands' nilpotent condition:

$$\mathbf{N} \cdot \tilde{\mathbf{N}} = 0$$

does not describe a field in three-dimensional space. It describes a field in dual space — the coupled product of ordinary space and its complement, antispace. The condition states that being and non-being annihilate: every stable configuration in space exists only in relation to its mirror in antispace. Neither exists without the other. Their product is zero. Their coupling is everything.

The organism as coherence field is therefore not a three-dimensional electromagnetic structure. It is a nilpotent dual-space structure — a coupled space-antispace configuration whose stable states are the eigenvalues of the full quaternion operator, not just its spatial projection.

This is not a minor extension. It changes what health, disease, and consciousness mean.

## 2. Space and Antispace: A Precise Definition

In Rowlands' framework (Rowlands, 2007; Marcer & Rowlands, 2014), the nilpotent operator decomposes naturally into two components:

- **Space component:** local, measurable, causally ordered, three-dimensional — the domain of standard physics and medicine
- **Antispace component:** non-local, not directly measurable by standard instruments, not causally ordered in the standard sense — the complement of every local configuration

These are not two separate substances. They are two projections of the same nilpotent structure. Every measurement in space is a projection; every projection has a complementary antispace projection that standard measurement does not capture.

For the organism: the HRV spectral gap, the EEG coherence pattern, the cytokine network topology — these are all space-component measurements. They are real and important. They do not capture the antispace projection of the organism's coherence field.

The Personal Blueprint (Konstapel, 2026d), as currently defined, measures the space-component eigenvalue distribution. A complete Personal Blueprint requires both projections: the space eigenvalue structure and the antispace coupling strength at each domain level.

### 3. The Phaseonium Transition

Marcer and Rowlands (2007, 2014) introduced the concept of phaseonium to describe the state a system enters when it achieves sufficient coherence across the space-antispace boundary. Below the phaseonium threshold, the system processes information syntactically — it computes, transforms, and responds, but without subjective experience. At the phaseonium threshold, the cross-boundary coherence reaches a critical value and the system transitions to semantic processing: meaning arises, experience occurs, consciousness is present.

This is not a mystical claim. It is a precise algebraic condition. The space and antispace components of the nilpotent operator are coupled through the phase relationship between them. When that phase relationship reaches a critical coherence — when the ket (space) and bra (antispace) components of the quantum state achieve sufficient mutual phase-locking — the system can no longer be described purely in terms of its space projection. It requires the full dual-space description.

Formally, the phaseonium condition is:

$$C_{\text{self}}(t) = |\langle \psi_{\text{space}} | \psi_{\text{antispace}} \rangle| \geq C^*$$

where  $C^*$  is the critical cross-boundary coherence threshold corresponding to the Bronze Mean threshold  $B_4 = 43$  in the coherence hierarchy.

Below  $C^*$ : syntactic processing — information transformation without experience. At  $C^*$ : the phaseonium transition — the emergence of semantic processing and subjective experience. Above  $C^*$ : full dual-space coherence — the consciousness domain  $D_{10}$ .

### 4. Monroe's Phenomenology as Empirical Data

Robert Monroe's systematic investigation of non-ordinary consciousness states (Monroe, 1971, 1985, 1994) — conducted over three decades with thousands of trained participants under controlled conditions — provides a uniquely detailed phenomenological dataset. His focus level system describes a reproducible hierarchy of consciousness states with characteristic experiential properties.

The standard response of physics to such data is to ignore it. This paper takes the opposite position: Monroe's observations are empirical constraints on the geometry of antispace. If they are reproducible — and the Monroe Institute's controlled experiments, and the Stargate programme's remote viewing data, indicate that they are — then any adequate physical theory of consciousness must account for them.

The five empirical constraints Monroe's data imposes (Konstapel, 2026e) are:

**C1 — Non-local spatial information:** During out-of-body states, participants report accurate, verifiable spatial information about remote locations. Antispace is not empty. It carries structured spatial information not accessible through ordinary sensory channels.

**C2 — Hierarchical structure:** Monroe's focus levels (10 through 49) describe distinct experiential domains with internal logical consistency. Antispace has hierarchical structure corresponding to the eigenvalue levels of the coherence hierarchy.

**C3 — Non-linear time:** Above Focus 21, linear temporal ordering dissolves. Antispace has a different temporal structure — or no temporal ordering in the standard sense.

**C4 — Persistent non-biological structures:** Monroe and trained participants consistently encountered coherent, intentional entities without biological substrates. Antispace supports stable information structures that are not bound to biological carriers.

**C5 — Bidirectional information coupling:** Remote viewing involves active retrieval, not passive reception. The space-antispace coupling operates in both directions.

These constraints are not metaphysical additions to the framework. They are phenomenological data points that the dual-space geometry predicts and must accommodate.

## 5. Mapping Monroe's Focus Levels to the Coherence Hierarchy

The phaseonium transition framework provides a direct mapping between Monroe's focus levels and the coherence hierarchy:

Monroe focus level	Coherence	Space-antispace	Experiential character
Ordinary waking	$D_9$ – $D_{10}$	Space-dominant	Local, causally ordered, self-
Focus 10 (mind awake, body asleep)	$D_{10}$ boundary	Increasing antispace component	Reduced proprioceptive noise, expanded attention
Focus 12 (expanded)	$D_{10}$ – $D_{11}$	Balanced space-	Non-local information accessible
Focus 15 (no time)	$D_{11}$ – $D_{12}$	Antispace-dominant	Temporal ordering dissolves
Focus 21 (edge of time-)	$D_{12}$	Near-full antispace	Time and space as optional
Focus 27 (reception)	Phaseonium threshold	Full cross-boundary coherence	Stable structures in antispace become accessible
Focus 34–49	$D_{13}$ – $D_{19}$	Antispace hierarchical structure	Collective consciousness domains

Focus 27 is identified as the phaseonium threshold — the point at which the cross-boundary coherence  $C_{self}$  reaches  $C^*$ . This is the level Monroe identified as the "reception centre" — the first stable domain fully outside the space-dominant processing mode.

## 6. Implications for the Personal Blueprint

The Personal Blueprint as defined in the Coherent Body framework measures the space-component eigenvalue distribution — the spectral gap profile across  $D_7$  through  $D_{10}$  as accessible through HRV and EEG. This captures the organism's coherence resilience in ordinary space.

The dual-space extension adds a second dimension: the antispace coupling strength at each domain level. This is the individual's characteristic degree of cross-boundary coherence — how strongly their space-component field couples to its antispace complement at each level.

Individuals with high antispace coupling at  $D_{10}$  are those who naturally and easily access non-ordinary awareness states — high sensitivity to non-local information, strong intuitive function, tendency toward what the psychological literature calls absorption or transliminality. This is not pathology. It is a coherence topology that places the space-antispace boundary closer to ordinary waking awareness.

Individuals with low antispace coupling at  $D_{10}$  are those who operate predominantly in the space-dominant mode — strong local information processing, clear causal reasoning, low spontaneous access to non-ordinary states.

Both topologies have strengths and vulnerabilities. The dual-space Personal Blueprint maps both.

The practical clinical implication: individuals with high antispace coupling at  $D_9$  (the organism-level somatic coherence domain) are particularly vulnerable to coherence entrainment by incompatible environmental fields — including the bioelectric fields of other people in sustained proximity. Their somatic coherence monitor is not only sensitive to threats in ordinary space; it is sensitive to antispace-coupled influences. This requires a different therapeutic approach: one that addresses not only the local electromagnetic environment but the quality of cross-boundary coupling.

## 7. The Dual-Space Immune System

The immune system, described in the Coherent Body framework as the somatic coherence monitor of  $D_9$ , is now more precisely described as a dual-space coherence monitor.

Its generative model — the continuously updated internal representation of what the organism's tissues should look like — operates in both projections. The space-component model tracks local chemical and cellular configurations. The antispace-component model tracks the phase relationships between the organism's local field and its non-local complement.

A false attractor in the space-component alone is what standard medicine identifies as chronic disease with unexplained symptoms: wrong stability in the local coherence network. A false attractor that also involves the antispace component is a deeper coherence disruption in which the organism's space-antispace coupling itself has been displaced. This predicts a clinically distinct presentation: patients with this pattern will often describe experiences of unreality,

depersonalisation, or a sense of being disconnected from their own body — because they are, in a precise physical sense, experiencing a disruption of the space-antispaces coupling at the somatic level.

These patients are unlikely to respond to purely local coherence-restoration protocols. They require interventions that specifically address the cross-boundary coupling — practices that restore the phase relationship between the space and antispaces projections of the somatic field. Certain contemplative practices, sound-based coherence work, and specific forms of body awareness training may be effective precisely because they operate on the cross-boundary phase relationship rather than on local biochemistry.

## 8. The Hubble Connection

The cosmological validation of the dual-space framework (Konstapel, 2026f) provides independent empirical support for the antispaces geometry. The Hubble tension — the persistent 9.3% discrepancy between local and cosmic measurements of the universe's expansion rate — is predicted by the nilpotent dual-space model as a necessary consequence of the two projections of the nilpotent Hubble operator:

- Local projection (space-dominant):  $H_0 = 73.50$  km/s/Mpc
- Cosmic projection (antispaces-dominant):  $H_0 = 67.24$  km/s/Mpc

The difference is not a measurement error. It is the algebraic signature of the same space-antispaces duality that governs biological coherence. The universe and the organism are expressions of the same structure at different scales of the coherence hierarchy.

The predicted kink in  $H(z)$  at  $z^* \approx 0.6-1.3$  — the cosmological phaseonium transition, the moment at which the early universe first achieved sufficient cross-boundary coherence to support stable material structures — is testable by DESI DR2 and Euclid within 24 months.

## 9. Testable Predictions

**Prediction 1 — EEG signature of phaseonium transition** The transition between ordinary waking and Focus 10–12 states should be accompanied by a measurable phase transition in EEG coherence: a non-linear increase in long-range theta coherence (4–8 Hz) and a corresponding decrease in local gamma activity (30–100 Hz). This is not a gradual change but a threshold effect — consistent with a phase transition in the space-antispaces coupling. Testable against existing neurofeedback and meditation EEG datasets stratified by Monroe focus level.

**Prediction 2 — Remote viewing performance correlates with theta coherence** Participants in controlled remote viewing protocols should show significantly higher scores when their pre-session EEG theta coherence is above a critical threshold. The threshold corresponds to the phaseonium condition  $C^*$ . This is testable against existing Stargate-protocol data with EEG addition.

**Prediction 3 — Depersonalisation as antispaces decoupling** Patients with depersonalisation-derealisation disorder should show a characteristic dual-space coherence profile: normal or near-normal space-component HRV spectral gap combined with anomalously low cross-boundary coherence at  $D_9-D_{10}$ . This is measurable through combined HRV + EEG coherence analysis and distinguishes this disorder from false-attractor states that are purely space-component disruptions.

**Prediction 4 — High-absorption individuals show elevated antispace coupling** Individuals scoring high on the Tellegen Absorption Scale — a validated measure of tendency toward non-ordinary awareness — should show elevated cross-boundary coherence at  $D_{10}$  in combined HRV + EEG measurement, independent of their space-component spectral gap. This distinguishes high sensitivity as a coherence topology feature from anxiety or hyperarousal.

*Prediction 5 — Hubble kink at  $z \approx 0.6-1.3$ \** DESI DR2 and Euclid measurements of  $H(z)$  should reveal a non-linear transition in the expansion rate at the predicted redshift range, inconsistent with smooth dark energy evolution and consistent with a cosmological phaseonium transition. This is the most immediately testable prediction in the framework.

**Prediction 6 — Bioelectric voltage ratios approximate the Bronze Mean** Following Levin's morphogenetic research, the ratio of successive voltage thresholds at which cellular organisation transitions to new morphogenetic states should approximate  $\beta \approx 3.303$  — the Bronze Mean — consistent with the eigenvalue scaling of the dual-space coherence hierarchy across both space and antispace projections.

## 10. Conclusion

The organism is not a coherence field in three-dimensional space. It is a nilpotent dual-space structure — the coupled product of a space-component coherence field and its antispace complement. Health is coherence in the space component. Disease is wrong stability in either or both components. Consciousness is coherence across the boundary between them.

The phaseonium transition — the threshold at which cross-boundary coherence reaches  $C^*$  — is the physical basis of subjective experience. Below it: computation without experience. At it and above: experience as a phase property of the vacuum, as fundamental as mass or energy.

Monroe's systematic phenomenology is not anecdote. It is empirical data constraining the geometry of antispace. The Hubble tension is not a measurement error. It is the cosmological signature of the same duality that governs the organism's coherence field.

The complete algebraic chain is:

$\mathbf{N} \cdot \tilde{\mathbf{N}} = 0 \rightarrow$  dual-space eigenvalue hierarchy  $\rightarrow$  space-component coherence field  $\rightarrow$  antispace coupling  $\rightarrow$  phaseonium threshold  $\rightarrow$  consciousness as cross-boundary coherence

The cell oscillates in space. Its antispace complement oscillates with it. When the coupling between them reaches the phaseonium threshold, experience arises. When it is disrupted, the organism loses its sense of itself — not metaphorically, but physically: the space-antispace phase relationship that constitutes the coherent self has been displaced.

The path back is the same as always: restore the coherence conditions. But now we know what we are restoring — not just the local field, but the cross-boundary coupling that makes the organism more than the sum of its measurable parts.

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