From Frequency to Field: Bridging Two Models of Consciousness

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Abstract

This note examines two converging theoretical frameworks in contemporary consciousness research: Mohammad Forghani's *Consciousness Frequency Model* (2024) and Björn Wikström's *Field–Node–Cockpit (FNC) Model* (2025). Both models challenge the classical assumption that consciousness is a local, emergent byproduct of neural computation. Instead, they describe consciousness as a distributed phenomenon governed by resonance, coherence, and information exchange across different ontological layers. While Forghani frames consciousness as a frequency-dependent field interaction ($F = \eta \times N \times R \times B$), Wikström's FNC model introduces a structural trinity—Field (universal information substrate), Node (biological or artificial interface), and Cockpit (phenomenal rendering). This commentary explores how frequency-based formulations may function as metric operators within the FNC ontology: quantifying resonance dynamics between Field and Node without collapsing the phenomenological domain into pure computation. The result is a unified interpretation where frequency defines how consciousness manifests, and field topology defines why it manifests. This synthesis suggests a research trajectory that bridges analytic idealism, quantum information theory, and empirical hyperscanning data under one principle: consciousness as structured resonance.

Keywords

consciousness · analytic idealism · quantum biology · frequency model · field theory · inter-brain synchronization · FNC model

References

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