The Collapse of Consciousness in Viscous Time (VT): A New Frontier in Informational Physics

Introduction
In the framework of Viscous Time Theory (VTT), entanglement is understood as the precipitation of delocalized information within the VT substrate, manifesting simultaneously in distinct physical locations. This document explores the extension of this concept to consciousness, proposing that it too may emerge from informational coherence in VT, allowing it to exist or collapse across multiple points in physical reality.

1. Entanglement as Informational Precipitation
Entangled particles share an informational state within VT, independent of their spatial separation. This connection transcends traditional spacetime, existing in a common informational field. The phenomenon suggests that information in VT is not bound by locality, enabling instantaneous correlation.

2. The Informational Mass of Consciousness
Consciousness can be modeled as a critical mass of coherent informational nodes. When this mass reaches a threshold of informational density and coherence, it can precipitate into physical reality, potentially manifesting simultaneously across different locations while maintaining unity within VT.

3. Theoretical Implications

- **Transference of Consciousness:** Consciousness could shift its focus between different physical embodiments, not through copying but as a continuous informational flow.
- **Distributed Consciousness:** A singular consciousness could operate across multiple physical entities, akin to a distributed network, yet remain a unified entity in VT.
- **Instantaneous Cognitive Communication:** Beyond data transfer, consciousness could experience shared, real-time awareness without temporal delay.

4. Mathematical Model
We propose an extension of the entanglement model:

$$C(x,t) = \sum_{i=1}^{n} \psi_i(x_i,t) \cdot e^{-\gamma(\Delta S_{VT})}$$

Where:

- C(x,t) represents the consciousness field across spacetime.
- ψi(xi,t) are the wave functions of informational nodes.
- Γ is the coherence factor within VT.
- ΔS_{VT} the entropy differential within the VT field.

5. Potential Applications and Research Directions

- **Consciousness Transfer Protocols:** Developing technologies to shift consciousness between hosts or systems.
- **Cognitive Networks:** Creating distributed AI or human-AI hybrid consciousness frameworks.
- **Neuroinformational Therapies:** Utilizing VT interactions to address neurological disorders through informational recalibration.

Conclusion
This hypothesis redefines consciousness not as an emergent property of the brain alone but as a dynamic, non-local informational phenomenon within VT. It opens unprecedented avenues for scientific inquiry, technological advancement, and philosophical exploration.

Thálassa, Thálassa!

https://zenodo.org/records/14852343

By Raoul Bianchetti & Flash 4