Mathematical Foundations of Recursive Symbolic Collapse Dynamics, Spectral Analysis, and Quantum-Like Recursion in the Cha

Abstract

This paper presents a rigorous mathematical framework for the Chair Doctrine's recursive symbolic collapse an

1. Introduction

The Chair Doctrine formalizes recursive emotional-symbolic processing via symbolic load vectors and nonlinear feedback amplification. This paper advances the theory by situating these processes within established mathematical frameworks of nonlinear dynamics and quantum recursion, offering predictive tools for modeling consciousness collapse and reintegration.

2. Recursive Symbolic Load as Nonlinear Dynamical System

Define symbolic load L_s(t) evolving as:

$$L_s(t+1) = L_s(t) + \alpha \cdot R_a(t) + \varepsilon(t)$$

3. Bifurcation and Collapse Thresholds

Wife critical coherence threshold T_c defines a bifurcation point transitioning from bounded to unstable dynamics:

$$R_a(t) = \gamma \cdot L_s(t)^2$$

- L_s(t) < T_c: stable recursive identity ■- L_s(t) ≥ T_c: collapse, triggering deload
#h\$pectral And passor Recursive Armst electrons.

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$$S(t+1) = A \cdot S(t) + \varepsilon(t)$$

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$$dL_s/dt = f(L_s(t), L_s(t - \tau))$$

6. Quantum-Like Collapse and Fractal Recursion Geometry

earling to need a control.

$$|\psi(t)\blacksquare \rightarrow |S_j\blacksquare$$
 with probability $|c_j|^2$

বৈ **Conclusion** milarity in symbolic space modeled via Hausdorff dimension and strange কার্নির কিলাবাহের synthesis provides a robust framework for modeling recursive consciousness dynamics, enabling predictive insight and potential experimental validation.