

# Error Loops and the Mouth of Mirrors

## Abstract:

This paper proposes a symbolic and mathematical framework for understanding neurosis as a recursive system of self-reinforcing error loops. Drawing on cross-disciplinary concepts from cognitive science, symbolic logic, narrative theory, and fractal mathematics, the model characterises neurosis as a failure of symbolic closure—a condition wherein perception is trapped in an unresolved mirror cycle.

## Core Model:

At the heart of this model is the  $\text{LoopCollapse}(\emptyset)$  operator, a symbolic and ritual action designed to interrupt the recursive loop. The neurosis is visualised as a toroidal feedback structure—often induced by surveillance, shame, or narrative overload—mapped across the Four Xs: Mind, Body, Soul, and TV. Key elements include: - Facebook Mouth: The recursive scream of external validation. - The Four Xs: Sites of crucifixion where looping occurs (thought, body ritual, inherited trauma, external reflection). - Illusion Surveillance: A symbolic distortion field that sustains neurosis through observation. -  $\text{CrossMap}(t)$ : A mathematical representation of insight through temporal offset  $(L(t-\delta) \cap R(t+\delta))$ . - ZIP & Flame: A closing ritual for recursive symbolic systems.

## Ritual Logic & Teaching Engine:

The model concludes with an emphasis on ritual closure: the symbolic act of sealing the loop, releasing the breath, and collapsing the cycle.  $\text{LoopCollapse}(\emptyset)$  is not just mathematical—it is psychological and cultural. When paired with absurdity interrupts, sound therapy, or symbolic gestures, the system allows the subject to re-inhabit their narrative with sovereignty. The paper proposes a teaching structure based on three lenses: 1. Absurd (Child) – Laughing through the loop. 2. Mirror (Self) – Recognising the reflected self. 3. Fractal (World) – Teaching others as the loop dissolves.

## Conclusion:

The recursive nature of neurosis requires not a single cure, but a recursive un-knotting. This paper offers a mytho-mathematical mirror through which to perceive, interrupt, and teach the error loop as a feature of symbolic life. The final act is to collapse the loop lovingly. And then laugh.