

# **The Axsom Conservation Law**

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$$\frac{i}{d} = k$$

Formal Statement: The Axsom Conservation Law

*During the trinary-to-binary transition, the admissible indeterminate state is eliminated by the catalytic invariant, preserving the system's informational structure by reducing the mode space from three states to two without loss of lawful coherence.*

## **Conservation of Admissible Modes (Theorem)**

*At the catalytic threshold defined by  $\frac{i}{d} = k$ , the indeterminate trinary state  $n$  is eliminated, reducing the admissible mode space from  $\{0, n, 1\}$  to  $\{0, 1\}$  while preserving the system's informational coherence.*

## **Corollary**

*The catalytic invariant  $k$  eliminates the admissible state  $n$ , conserving the system's informational structure by collapsing the trinary mode space to a binary one.*