Possibility Compression Principle (Haimesian)
Why infinite possibility does not imply observing “everything at once”
Michael Richard Haimes — The Haimesian System (2025)

CLAIM

Infinite possibilities exist globally, but any local region can only realize a small subset because the number of realizable configurations collapses with available space, energy, and effective degrees of freedom.

FORMAL SKETCH

Let P(V, E, D) be the count of realizable configurations in a region with volume/area V, usable energy E, and effective degrees of freedom D. For a base complexity factor κ:

$P(V, E, D) \leq \kappa \cdot f(E) \cdot g(D)^{h(V)}$

As V shrinks (or constraints tighten), microstate capacity plummets. High-order arrangements requiring more “room to exist” become locally unrealizable.

INTUITION

Global possibility is unbounded. Local expression is pruned by the container’s constraints. Locality explains absence—not impossibility.

IMPLICATIONS

- We do not observe “everything at once” because containers are finite.
- Absence ≠ impossibility: a configuration may be real in principle but non-expressible locally.
- Ethical design: meaningful change increases effective degrees of freedom without increasing harm.
- Cosmology: larger structured regions permit richer configuration classes (complex life, culture, structures).

HAIMESIAN FRAMING

This principle reconciles infinite possibility with finite observation by linking possibility to container constraints. It undergirds the Resurrection Feasibility, Divine Simulation, and Perfect Existence arguments within the Haimesian System.