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- **Figure 1: How Stable Is the Quantum System?**

A 3D surface plot shows how stable a quantum system is (its fidelity) depending on two settings: how time flows ( $\alpha$ ) and how fast it breaks down ( $\gamma$ ). It reveals when the system starts to fall apart and when it can stay together.

- **Figure 2: How Long Before the System Collapses?**

This figure predicts how long a quantum system can last before collapse, based on how much noise ( $\gamma$ ) it experiences and how its internal clock ( $\alpha$ ) is tuned.

- **Figure 3: Lawrence vs Schrödinger (When There's Noise)**

A comparison of Lawrence and traditional quantum evolution under noise. The Lawrence model retains coherence longer, resisting collapse more effectively.

- **Figure 4: Lawrence vs Schrödinger vs Lindblad**

Comparison among three evolution approaches: Lawrence, Schrödinger, and Lindblad. Lawrence shows smoother breakdown and better control over decoherence.

- **Figure 5: Entropy and Fidelity Together**

Entropy (disorder) increases while fidelity (stability) decreases over time. This dual plot helps explain the timing and nature of quantum collapse.

- **Figure 6: When Decoherence Happens in Space**

Entropy growth over time from a spatially localized  $\gamma(x)$  field. Confirms that targeted decoherence induces collapse in specific spatial zones.

- **Figure 7: Testing Alpha Alone (No Collapse)**

A control experiment with  $\gamma = 0$ . Even extreme  $\alpha$  values do not cause entropy growth, confirming that only  $\gamma$  drives collapse.