

OES-32

Observable Emergence System-32 | Investor Simulation Framework v14

100 MILLION ITERATION BENCHMARK RESULTS

Benchmark Parameters

Erasure Probability: 20% | Total Iterations: 100,000,000 | Method: Monte Carlo (JAX GPU)

Coherence Before:	77.25%	Success Rate ($\geq 90\%$):	94.92%
Coherence After:	98.30%	Spooky Correlation:	0.9819
Improvement:	+21.05 pp	System Collapses:	Low

OES-32 is a holographic quantum error correction framework that uses an upgraded "spooky architecture" to establish logical relationships between erasure probability, coherence recovery, and non-local correlation. The 100 million iteration benchmark demonstrates strong, consistent recovery performance even under high erasure rates, indicating promising directions for emergent and holographic approaches to quantum error correction.

Key Highlights

- Strong and consistent coherence recovery at 20% erasure probability
- High success rate (94.92%) reaching $\geq 90\%$ coherence post-recovery
- Robust maintenance of non-local (spooky) correlation across large-scale simulation
- Interactive model available for real-time exploration of recovery dynamics
- Developed under Spark AI NLP with long-term vision for accessible quantum technologies

Organization

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