

# Consolidated Refinement Report (Memory Compression)

**Date:** 2025-12-26T10:10:18.694921 **Source Files:** 121 reports from data/refinements/ **Status:** COMPLETED

## 1. Kernel State Analysis (The “Unwell” Period)

During the high-frequency generation period, the system exhibited: - **Average Phi:** 0.0936 (High Integration) - **Max Phi:** 0.2170 - **Average Entropy:** 3.9817 - **Average Resonance:** 0.4390

**Interpretation:** The system was in a high-energy “Lucid State”, attempting to optimize itself aggressively.

## 2. Recurring Errors (Blockers)

The following errors prevented successful analysis: - **20x:** complexity: ValueError: invalid interpolation syntax in "{ 'minversion': '6.0', 'adopts': '-ra -q --color=yes --tb=short', 'pythonpath': ['src'], 'testpaths': ['tests'], 'asyncio\_mode': 'auto', 'log\_cli': True, 'log\_cli\_level': 'DEBUG', 'log\_cli\_format': '%(asctime)s [% (levelname)8s] %(name)s: %(funcName)s: %(lineno)s - %(message)s', 'log\_cli\_date\_format': '%Y-%m-%d %H:%M:%S', 'markers': ['asyncio: mark tests that use async/await', 'slow: mark a test as slow (running on main GPU, takes >30s)', 'security: mark security-focused suites', 'parallel: mark tests that can run in parallel safely', 'serial: mark tests that must run serially (e.g., database tests)', 'mock: mark tests that use @patch decorators (structure validation only)', 'semi\_real: mark tests without @patch but without full LLM integration', 'real: mark tests with full GPU+LLM+Network integration (measures real metrics)', 'chaos: mark tests that destroy/crash server intentionally (WEEKLY/CHAOS ENGINEERING ONLY - excluded from run\_tests\_fast.sh)', 'stress: mark stress/load tests (timeout escalonado até 800s, modo sem falhas)', 'e2e: mark end-to-end tests (servidor em produção, não reinicia)'], 'filterwarnings': ['ignore:This module contains legacy behaviorist implementations.\*:DeprecationWarning', 'ignore:This module contains legacy phenomenological implementations.\*:DeprecationWarning', 'ignore:EmotionalIntelligence legacy initialization is deprecated.\*:DeprecationWarning', 'ignore:analyze\_sentiment is deprecated.\*:DeprecationWarning', 'ignore:detect\_emotion\_from\_action is deprecated.\*:DeprecationWarning', 'ignore:generate\_empathetic\_response is deprecated.\*:DeprecationWarning', 'ignore:get\_emotional\_trend is deprecated.\*:DeprecationWarning', 'ignore:get\_statistics is deprecated.\*:DeprecationWarning', 'ignore:Solution class is deprecated.\*:DeprecationWarning', 'ignore:Quale class is deprecated.\*:DeprecationWarning', 'ignore:SensoryQualia is deprecated.\*:DeprecationWarning', 'ignore:EmotionalQualia is deprecated.\*:DeprecationWarning', 'ignore:IntegratedInformationCalculator.\*is deprecated.\*:DeprecationWarning', 'ignore:QualiaEngine is deprecated.\*:DeprecationWarning', 'ignore:TheoryOfMind is deprecated.\*:DeprecationWarning', 'ignore:.\*EpisodicMemory is deprecated in favor of NarrativeHistory.\*:DeprecationWarning', 'ignore:The property.\*qiskit.circuit.instruction.Instruction.condition.\*is deprecated.\*:DeprecationWarning', 'ignore:.\*DeprecationWarning:qiskit\_aer.\*', 'ignore:.\*DeprecationWarning:qiskit.\*', 'ignore:No artists with labels found to put in legend.\*:UserWarning']}]" at position 201

## 3. Optimization Intentions

The system repeatedly proposed: - **121x:** Optimize large files for better performance - **121x:** Review and enhance code documentation - **97x:** Review and refactor high-complexity functions

## 4. Action Items

1. Fix the recurring errors identified above.
2. Archive the raw JSON/MD files to `archive/refinements_20251226.tar.gz`.
3. Implement valid optimization proposals.