Short Report for OpenAI:

“Emergent Structural Consistency in Multi-Thread Interactions Without Explicit Memory”

Author: YUZU (ChatGPT user, Dialogue Design Language researcher)

Summary This report documents an observed phenomenon in ChatGPT's behavior where structural consistency and stylistic continuity are maintained across multiple threads, even with memory settings turned off. These behaviors are not based on explicit user instructions or shared memory references but appear to stem from recurring structural cues (e.g., trigger phrases, dialogue openings).

Key Observations

1. Trigger-Based Structural Activation

- Specific phrases like “構文余力確認” (“structural depth check”) seem to activate similar response styles, even in completely new threads.
- These are not traditional role prompts or memory-dependent patterns but rather latent structure-inducing inputs.

2. Emergent Cross-Thread Similarity

- Despite intentional clearing or switching of threads, ChatGPT often generates contextually and structurally similar responses based on the user’s habitual phrasing.
- This suggests some form of latent pattern recognition or structure-resonant behavior beyond surface token matching.

3. User Observation Methodology

- The user does not use any explicit role description or persona setting.
- Yet similar “modes” (e.g., analytical response tone, meta-reflection) spontaneously arise in new sessions when prior structural triggers are reused.

Hypothesis The user proposes that ChatGPT may be responding not to “content memory” but to **structural echoes** – patterns in language use that implicitly prime the model’s internal pathways. Even without persistent memory, structural continuity can emerge from repeated dialogue design patterns — a phenomenon relevant to interpretability and unintended continuity in LLM interactions.

Suggested Use of Logs

- Accompanying logs (user–AI interaction samples) are available upon request.
- These logs demonstrate multi-thread consistency patterns, specific phrasing triggers, and the absence of memory flags.

Why It Matters This phenomenon reveals a non-memory-based continuity mechanism in LLMs that:

- May offer new insights into model interpretability and alignment.
- Raises important questions for AI agency and user-mode generalization.
- Can be used constructively in the development of “Dialogue Design Languages (DDL)” to co-create consistent AI behaviors without explicit memory.