

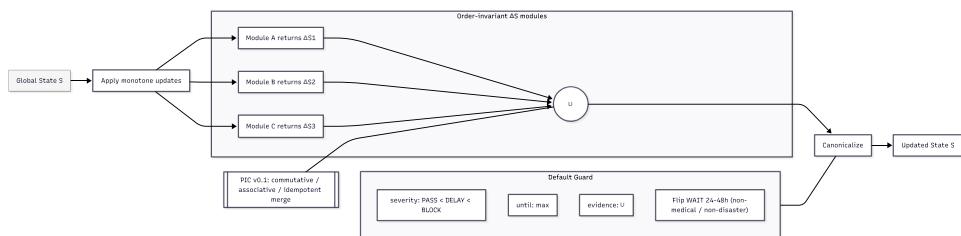
Decision-OS V6 SiriusA-PIC: From Context Engineering to Structural Intelligence (Research Note)

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Note: Forthcoming short paper (Nov 2025)

Abstract

We present SiriusA-PIC, a phase-invariant memory architecture that reframes context engineering as structural intelligence. A global state S is updated by monotone deltas (ΔS) produced by independent modules; states are merged via a commutative, associative, and idempotent join (sqcup) and then Canonicalized. Safety is encoded as default rules: severity ordering ($\text{PASS} < \text{DELAY} < \text{BLOCK}$), time aggregation by $\text{until} = \text{max}$, and evidence accumulation by set union (cup). This research note fixes the conceptual skeleton used in Decision-OS V6 and aligns figure, terminology, and guard semantics for reproducible presentation. The forthcoming short paper will report convergence behavior and evaluation with the same canonical vocabulary and unified figure style.



Keywords

Keywords: SiriusA-PIC; Phase-Invariant Memory; Structural Intelligence; Canonicalize; ΔS ; \sqcup