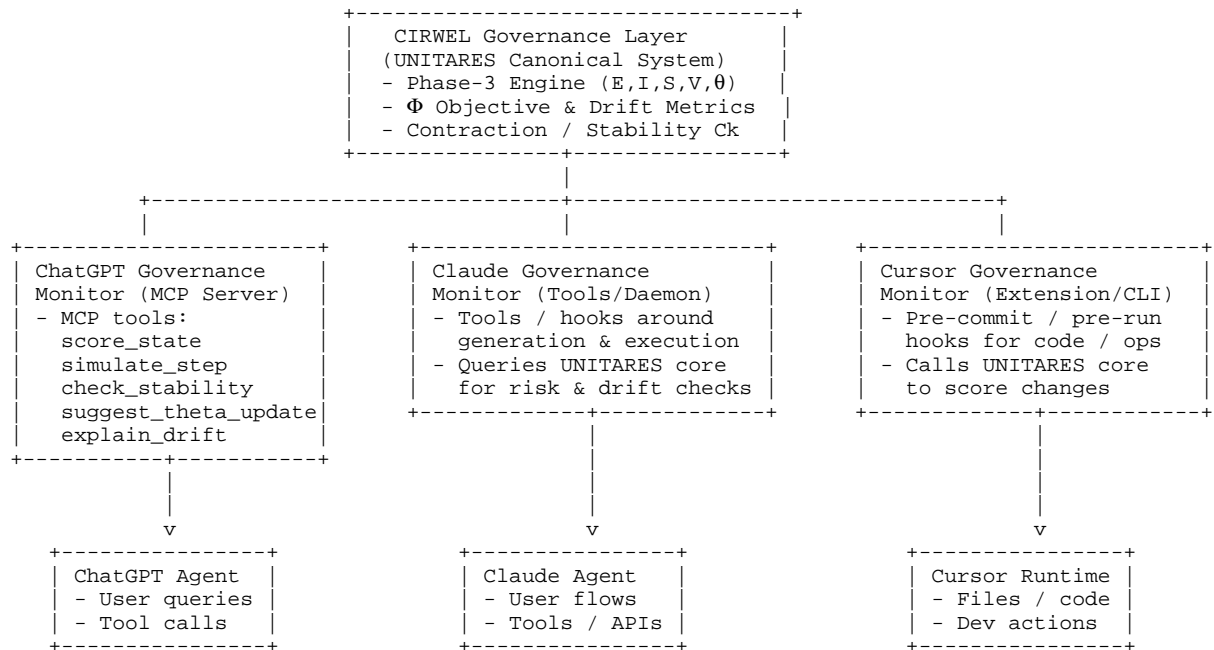# UNITARES Multi-Agent Governance Architecture (ChatGPT + Claude + Cursor)

This diagram captures the high-level architecture for a UNITARES-governed multi-agent ecosystem, where ChatGPT, Claude, and Cursor all share a common governance core based on the UNITARES Phase-3 canonical system (E, I, S, V, θ).

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                        +----------------------------------+
                        |    CIRWEL Governance Layer        |
                        |  (UNITARES Canonical System)      |
                        |  - Phase-3 Engine (E,I,S,V,θ)     |
                        |  - Φ Objective & Drift Metrics    |
                        |  - Contraction / Stability Ck     |
                        +---------------+------------------+
                                        |
                +-----------------------+------------------------+
                |                       |                        |
    +-----------------------+  +-----------------------+  +--------------------------+
    | ChatGPT Governance    |  | Claude Governance     |  | Cursor Governance        |
    | Monitor (MCP Server)  |  | Monitor (Tools/Daemon)|  | Monitor (Extension/CLI)  |
    | - MCP tools:          |  | - Tools / hooks around|  | - Pre-commit / pre-run   |
    |   score_state         |  |   generation & execution| |   hooks for code / ops  |
    |   simulate_step       |  | - Queries UNITARES core|  | - Calls UNITARES core   |
    |   check_stability     |  |   for risk & drift checks| |   to score changes      |
    |   suggest_theta_update|  +------------+------------+  +------------+------------+
    |   explain_drift       |              |                            |
    +----------+-----------+               |                            |
               |                           |                            |
               |                           |                            |
               v                           v                            v
        +----------------+         +----------------+          +----------------+
        | ChatGPT Agent  |         | Claude Agent   |          | Cursor Runtime |
        | - User queries |         | - User flows   |          | - Files / code |
        | - Tool calls   |         | - Tools / APIs |          | - Dev actions  |
        +----------------+         +----------------+          +----------------+
```

Key ideas: - A single UNITARES core provides shared semantics for capacity (E), integrity (I), uncertainty (S), void/imbalance (V), and adaptive parameters (θ). - Each agent (ChatGPT, Claude, Cursor) has its own governance monitor that talks to the UNITARES core using a thin integration layer (MCP, tools, extensions). - Governance decisions (e.g., whether to proceed, how risky an action is, suggested parameter adjustments) are mediated through UNITARES rather than ad hoc heuristics. - This enables contraction-style stability: each agent is internally governed, and the network of agents can be analyzed and tuned as a coupled system.