Unified Tensor System: Module Architecture

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│ Circuit Optimizer   │   │ Semantic Observer   │   │ Koopman EDMD        │
│ J = Σ w_k J_k       │   │ ẋ = Ax + g(x) + Bu  │   │ K = G⁺A             │
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- Circuit Optimizer: $J = \sum w_k J_k$
- Semantic Observer: $\dot{x} = Ax + g(x) + Bu$
- Koopman EDMD: $K = G^{+}A$

- Bifurcation Detector
- Spectral Path: $\tau(\omega_i, \omega_j)$
- Calendar Regime: θ_k, a_k

- Cross-Timescale Lifting Operators: $\Phi_{S \to M}, \Phi_{M \to L}$
- Multi-Horizon Mixer: $w_k = \mathrm{softmax}(\cdot)$