# Appendices

## Appendix A. Canonical Symbols and Variables Used in Paper A-16

| Term / Symbol | Definition / Function |
|---|---|
| Ω | Universal still-wave substrate / universal wave field |
| D, $D_1$, $D_2$ | Collapse-stabilized domains or closure components |
| Ξ_E | Entropic accessibility operator assigning admissible closure-preserving transitions |
| G(Ξ_E) | Accessibility graph induced by Ξ_E |
| G_D | Accessibility graph associated with domain D |
| Σ_c | Collapse surface, i.e., structural region where accessibility topology changes |
| Λ_c | Critical collapse-divergence threshold for permanent separation |
| Θ_access | Critical accessibility threshold used in branching criteria |
| ΔΞ_E(A,B) | Accessibility divergence functional between domain-states A and B |
| Φ_E | Entropic potential-like functional over domain-states or accessibility structure |
| g_E | Entropic gradient, typically defined as ∇Φ_E |
| κ(G) | Connectivity measure / minimal cut cardinality of accessibility graph G |
| Closure(D) | Set of states accessible within the closure component of D |

## Appendix B. Core Definitions Used Throughout the Paper

| Term / Symbol | Definition / Function |
|---|---|
| Still-Wave Substrate | The single foundational reality in CUWF, prior to emergent spacetime, matter, and observer-defined structures. |
| Parallel Universe | A collapse-stabilized domain of the same universal substrate that is mutually inaccessible under the entropic accessibility relation. |
| Entropic Branching | The transition from a single coherent accessibility closure to multiple disconnected closures as collapse divergence exceeds a critical threshold. |
| Collapse Divergence | The structural divergence between candidate outcomes measured by deformation of admissible closure-preserving transitions. |
| Ξ-Orthogonality | The condition in which two domains have no shared admissible transition family; operationally, $\Xi\_E(D_1) \cap \Xi\_E(D_2) = \emptyset$. |
| Accessibility Topology | The graph- or relation-based structure defined by admissible transitions within and across closure regimes. |
| Experiential Uniqueness | The confinement of an observer to one closure component after accessibility fracture, without requiring duplication of the self. |

## Appendix C. Interpretive Notes on the Use of Analogies

| Term / Symbol | Definition / Function |
|---|---|
| Status of Analogies | The analogies in Section 2.4 and Section 8 are heuristic devices only. They do not define the ontology formally and should not be treated as literal physical models. |

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|---|---|
| What the Analogies Clarify | They are used to distinguish one substrate from multiple inaccessible domains, and to illustrate continuity without mutual access. |
| What the Analogies Do Not Mean | They do not imply separate spacetimes, copies of matter, geometric opposition in an external space, or unrestricted branching of all possibilities into equally real worlds. |
| Reason for Retaining Them | Because CUWF departs sharply from standard multiverse language, analogies provide a controlled conceptual bridge from familiar intuitions to the formal accessibility-based framework. |