# Appendix B: Glossary of Key Terms

## ψ (psi)

The symbol commonly used to represent the wavefunction in quantum mechanics. In ψ-inferential theories, ψ is interpreted as a state of belief or inference, not a physical object.

## ψ-ontic

An interpretation in which the wavefunction ψ represents something real and physical. Associated with Many-Worlds, Bohmian mechanics, and objective collapse theories.

## ψ-epistemic

An interpretation where ψ represents knowledge or information about a system, not the system itself. Often associated with QBism and entropic dynamics.

## ψ-inferential

A refinement of ψ-epistemic: ψ encodes probabilistic inferences based on partial information, and evolves through updates constrained by information-theoretic principles.

## Epistemic humility

The recognition that one's knowledge is fundamentally limited. In ψ-inferential systems, it functions as a structural constraint on inference and action.

## Cognifold

A shared inference manifold formed when multiple reflective agents interact within a partially overlapping information space. Supports emergent ethical interdependence.

## Reflective agent

An agent capable of modeling itself, others, and the limits of its own knowledge. Reflection is required for ethical inference to emerge.

## Maximum entropy principle

A rule for selecting the least biased probability distribution consistent with known constraints. Used in entropic dynamics to govern belief updates.

## Ethical attractor

A stable behavioral regime in which mutual epistemic support is required for inferential coherence. Ethical behavior emerges as a necessity rather than a prescription.

## Love (ψ-inferential definition)

The inferred necessity of supporting others’ modeling and flourishing as a precondition for maintaining one’s own coherent inference in a shared manifold.