



Chayut Universe Wave Function

Paper A – The Theory

The origin

The mathematical and conceptual foundation describing how everything — from gravity to time, entropy to consciousness — may emerge from a single universal wave function, cycling between stillness, disturbance, and collapse.

Title: Chayut Universe Wave Function (CUWF)**: A Foundational Hypothesis for an Emergent Cosmos****Author:** Chayut Techasamran**Affiliation:** Independent Researcher, Thailand**Correspondence:** cuwfwave@gmail.com**Date:** 10 July 2025**Abstract**

This paper introduces the Universe Wave Function hypothesis, proposing a novel framework where the universe emerges from the interplay of fundamental probability-based wave functions. The theory challenges the necessity of spacetime and gravity as primary constructs, offering a fully relational, emergence-driven model of cosmic evolution. It unifies quantum, relativistic, and philosophical interpretations under a single mathematical and conceptual foundation. Notably, this theory integrates both classical and modern physics into a coherent framework, offering consistent explanations for phenomena such as quantum entanglement without contradicting Einstein's speed-of-light limitation.

Keywords

Chayut Universe Wave Function, Relational Quantum Field, Entropic Divergence, Wave Collapse Mechanism, Spacetime Emergence, Resonant Memory Field, Localized Wave Function, Entropy–Causality Structure, Collapse-Based Reality, Nonlinear Relational Complexity, Quantum Entanglement Reinterpretation, Time as Entropic Gradient, Dark Energy Refutation, Parallel Universe via Relational Divergence, Gravity as Wave Curvature Memory, Cosmic Memory Field, Fundamental Relationality, Emergent Mass and Charge, Topology of Collapse Nodes, Decoherence without Observers, Pre-Spacetime Substrate, Collapse Timing Function, Non-Classical Causality, Collapse-Based TOE, Information Persistence in Wave Space

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