

Peer Review

# Review of: "Toward a Field-Based Model of Awareness: Quantum Trilogy Theory of Consciousness"

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Title of Study **Toward a Field-Based Model of Awareness: Quantum Trilogy Theory of Consciousness**

This Commentary proposed the Quantum Trilogy theory of Consciousness. It is an extension of Trilogy Theory of Consciousness. The Author wrote in the Abstract **Quantum Trilogy Theory of Consciousness (QTTC)—which integrates the *Trilogy Theory of Consciousness* with structural analogies from *Quantum Field Theory* to model a field of structured awareness.**

The trilogy theory of Consciousness models humans as a union of I, Mind, and body. It proposes the interaction of two functions; **the awareness based choice selection, and discretionary selection of information for awareness** which generates conscious experience.

This sentence in the Abstract summarises the Theory: **In QTTC, consciousness is not treated as a direct output of neural computation, but as a structured transformation within an awareness field. Drawing from QFT concepts such as vacuum states, symmetry breaking, gauge fixing, and field excitation, the model metaphorically maps analogy to intention, decision-making, and identity, respectively.**

**Summary of quantum trilogy theory of Consciousness:**

The Author wrote in the abstract **While QTTC does not claim that quantum computation literally underlies consciousness, it uses these concepts to construct a layered, field-based ontology for awareness.**

Noëtons are excitations in the field of awareness, which are metaphors for excitations in a quantum field.

Decision-making processes are likened to symmetry breaking and wavefunction collapse of quantum mechanics.

## OBSERVATIONS

Metaphors are not models. For example, push or pull is a metaphor for Newtonian force, but it is distinct from  $F = MA$ , which is a mathematical model. The Author presents no mathematical model.

Vacuum states are not free of energy. The Author did not provide observable states of Consciousness that are free of energy.

Consciousness, I, Self, and phenomenal experiences are primarily subjective. The proposal of the Author suggests a universal consciousness field from which the consciousness of individuals is an excitation. This proposition is contrary to observables of human consciousness.

Decision making is mapped to ideation, which is well studied in ideation apraxia. There is no observable in Clinical Neurology that maps ideation to wave-function collapse.

Quantum information transfer is not limited by the speed of light or distance. The Authors should provide justification to attribute quantum entanglement or teleportation to microtubules.

## ITERATIVE COMMENTS

Although the title suggests model development, only metaphors were presented.

Introduction Paragraph 1 contains only one sentence. There is not much to make of this paragraph.

The idea of Introduction Paragraph 2 is not clear. There is no conclusion.

Introduction should be revised and structured to assist Readers in gleaning concepts and theories easily.

**Attachments:** available at <https://doi.org/10.32388/ZWBYDB>

## Declarations

**Potential competing interests:** No potential competing interests to declare.