

# Review of: "Global Realism with Bipolar Strings — From Bell Test to Real-World Causal-Logical Quantum Gravity and Brain-Universe Similarity for Entangled Machine Thinking and Imagination"

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In this article, the author is extending Einstein's ideas of locality, causality, and local realism, limited by the speed of light, to global realism with bipolar strings (GRBS). The author has also shown that this theory (GRBS) acts as a real-world theory of quantum gravity, which is a bipolar relativistic causal-logical re-conceptualization and unification of three paths to gravity. Based on GRBS, it is claimed that life is a living bipolar superstring regulated by *bipolar entropy*, which unifies order and disorder, and that thinking or consciousness, as a prerequisite for human-level intelligence, is fundamentally mind-light-matter unitary Quantum Intelligence, which is logically equivalent to the quantum emergence and submergence of spacetime. Based on these two claims, the positive answer to the question "*Can a QI machine think if not AI?*" is found. *The author has also proposed and shown causal-logical brain modeling for entangled machine thinking and imagination (EMTI).* The testability and falsifiability of GRBS are also discussed.

Going through the details of the article, I have found that the article has been well written with proper justification of all the claims made. The work certainly gives a new insight into the areas of quantum information, quantum gravity, quantum intelligence, logic, and artificial intelligence. I will recommend its publication.