

# Review of: "A Fundamental Conservation as a Unification of Quantum Theory and Relativity"

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

This article proposes a novel and ambitious unification of General Relativity and Quantum Theory, based on a fundamental conservation and symmetry of energy density with respect to spacetime. The author shows that this unification can explain various phenomena, such as cosmological redshift, galaxy rotation curve, quantum mechanics' time problem, and the cosmological constant, without invoking dark matter, dark energy, or inflation. The article is well-written and provides clear mathematical derivations and graphical illustrations to support the arguments.

I think this article presents a significant and original contribution to the field of theoretical physics, and deserves to be published in a reputable journal. The unification approach is elegant and parsimonious, and offers a new perspective on the nature of reality. The author demonstrates a deep understanding of the existing theories and their limitations, and challenges some of the conventional assumptions and paradigms.

However, I also have some suggestions and comments for improving the quality and clarity of the article. First, I think the author should provide more background and motivation for the unification, and explain how it differs from other existing or proposed unification schemes, such as string theory, loop quantum gravity, or causal dynamical triangulation. Second, I think the author should address some of the potential objections or criticisms that might arise from the unification, such as how it accounts for the observed gravitational lensing effects, how it deals with the quantum entanglement phenomenon, how it reconciles the different interpretations of Quantum Theory, and how it test its predictions experimentally or observationally. Third, I think the author should revise some of the terminology and notation used in the article, to make them more consistent and standard across the literature.

I hope these suggestions and comments are helpful for the author to improve the article. I commend the author for their efforts and achievements in developing this unification. I look forward to seeing this article published in a prestigious journal.