

## Peer Review

# Review of: "Aristotle, Heisenberg, and the Non-Locality and Non-Temporality of a Single Photon"

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I do not see much of a new approach in this article. When I see Figure (1), it is clear that this article is still in the old paradigm. The old paradigm is that physical events happen in space and time. In this paradigm, there is no possibility to develop physics. The universe is timeless; universal space is time-invariant. A photon takes from the Sun to the Earth 8 minutes and a few seconds. Time is the duration of photon motion in the time-invariant space. If there is no motion in space, there is no time. This has to be understood when we deal with timelessness and time. Time as duration results from the measurement; no measurement means no time. The universe is timeless; there is no physical past and there is no physical future. I would suggest the author read the scientific literature below and develop his article accordingly: TIMELESS APPROACH, THE: FRONTIER PERSPECTIVES IN 21ST CENTURY PHYSICS (The Foundations of Natural Science and Technology) [Davide Fisaletti](https://www.amazon.com/Timeless-Approach-Perspectives-Foundations-Technology/dp/9814713155)  
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Time in physics is not the problem. Time is an emergent physical quantity that enters existence in measurement. No measurement means no time. Einstein's idea that time is the 4th dimension of space is preventing the development of physics. It is time we go ahead; it is time we understand that time has no physical existence. Considering this, the author will get good results that will be "out of the box." It is time we step out of linear physical time because such a time is a pure illusion.

The photon motion in time is a false idea. Also, the motion of the Earth in time is a false idea. Motion on the micro-level and macro-level occurs in time-invariant space. I invite the author to take into account this fact and develop the article accordingly.

**Attachments:** available at <https://doi.org/10.32388/18H9D3>

## **Declarations**

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