

Review of: "Zeno and Einstein"

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The author provides an interesting discussion on the Zeno paradox (and similar ones), calling attention on the non-plausibility of the durationless instant as the building blocks of time flow. In his opinion, the paradox is better solved by taking this fact into account. I think the author is right, but I would call attention to the most complete solution given by Aristotle. Motion is the potency in act - an essential reality whose quantitative expression is the instantaneous velocity.

Then, the subject is changed to some features from Special Relativity, namely the relativity of simultaneity and the (symmetrical) time dilation. I did not understood very well the exact relation between these two themes (Relativity and Zeno) - maybe because I did not see the symmetry between two inertial frames (specially in respect to time dilation) as a contradictory issue, but the central argument calling back to concrete world (using the twin paradox) sounds very nice. Finally, the author deals with the quantum realm as expression of a reality founded in discrete time and space (Planck time and length). In analogy with Zeno paradox, the continuum here plays also an important role. I would suggest to the author the important work from Wolfgang Smith, author of many books such as "The Quantum Enigma", in which the quantum collapse is an absolutely instantaneous phenomenon and the Aristotelic notions of act and potency are used to understand quantum physics.

The paper is very good and the subjects are treated very seriously.

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