

Review of: "On the statistical arrow of time"

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Potential competing interests: No potential competing interests to declare.

The article has pointed out a vital aspect of physics, which is following: "Do we have any proof that the arrow of time exists"? The answer is clear: "We do not have". Arrow of time is a myth, space-time is a myth, entropy is increasing in the time-invariant space: <https://www.worldscientific.com/doi/abs/10.1142/S2424942420500073>

Author could add more references (Rovelli, Fisaletti, Barbour). That would place his results in the larger picture of time research. Arrow of time cannot be studied partially without going deep into what time is. I see this is missing in this valuable paper. Time as the duration is the only time that exists, and it is the result of the measurement. No measurement, means no time. The universe is utterly timeless.