

# Re: Division by Zero in Nature, and Decomposition of Time.

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I'm not sure that I know the correct answer, but certainly, if time ceases to exist "relative to an observer", then 4D spacetime can no longer be 4D. Again, the reason time ceases to exist is because time becomes unmeasurable & unobservable if you try to construct a clock out of the whole universe. Large scale motion is nearly zero relative to man, and so your clock just doesn't tick.

[on the quantum scale] → Time, the 4th dimension, ceases to exist somehow (relative to observer), so you must be left with a 3D "point".

How fast is information transmitted across such a point? Must be instantaneous. So, information "appears" to travel faster than light in the classic QM experiments.

It might be interesting to see how far this could go – even if it's wrong. Yet, when I think about trying to build a clock out of the whole universe it seems quite impossible, and so the argument becomes somewhat reasonable.

I have been trying to understand continuity for years, and wind up with something worse, how to construct a smooth transition from 4d to 3d mathematically. Maybe algebraic topology? Any ideas on how to do such a thing? I'm stumped.