Space-Time and Probability

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Abstract

Special relativity is most naturally formulated as a theory of spacetime geometry, but within the spacetime framework probability appears to be a purely epistemic notion. It is possible that progress can be made with rather different approaches - covariant stochastic equations, in particular - but the results to date are not encouraging. However, it seems a non-epistemic notion of probability can be made out in Minkowski space on Everett's terms.

I shall work throughout with the consistent histories formalism. I shall start with a conservative interpretation, and then go on to Everett's

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