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## Causality in Spinfoams

*Monday, July 5, 2021 4:30 PM (25 minutes)*

Current Lorentzian Spinfoams are formulated in terms of a two-complex with spins on faces and intertwiners on edges. In this talk, I discuss how to add a causal structure on wedges. The EPRL model turns out to be given by a sum over these wedge-causal structures. I will show how this sum can be restricted to a single causal configuration and its relation to Engle's proper vertex. [Based on work in collaboration with Pierre Martin-Dussaud]

**Primary author:** BIANCHI, Eugenio (Penn State)

**Presenter:** BIANCHI, Eugenio (Penn State)

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