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The Spekkens Toy Model Revisited¹ MICHAEL SKOTINIOTIS, AIDAN ROY, BARRY C. SANDERS, University of Calgary — We review the toy model introduced by R.W. Spekkens, and show that the operations on a single toy bit belong to the group S_3 semi direct Z_2^3 . The original group S_4 is shown to be a subgroup of this. We show that this group does not violate the basic principle of the toy model nor any quantum mechanics and we show its natural extension to the two toy bit case.

¹iCore

Prefer Oral Session
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