

Abstract Submitted  
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**The Spekkens Toy Model Revisited**<sup>1</sup> 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.

<sup>1</sup>iCore

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