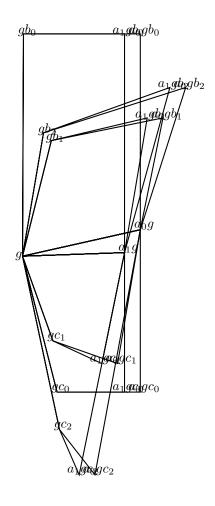
## Quantum LTC With Positive Rate

## David Ponarovsky

## September 11, 2022

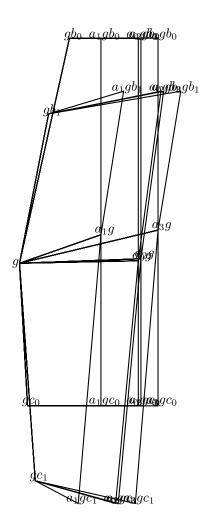
preamble. preamble.

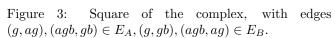


 $\begin{array}{c} a_1gb_0 \text{ with } gb_1\\ gb_0 & a_1gb_0 \text{ with } gb_2\\ a_1gb_0 & a_1gb_0 \text{ with } gb_2\\ a_1gb_0 & a_1gb_0 \text{ with } gb_2\\ gc_0 & a_1ga_0 \text{ with } gc_0\\ gc_2 & a_1ga_0 \text{ with } gc_0\\ gc_1 & a_1ga_0 \text{ with }$ 

Figure 2: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 

Figure 1: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 





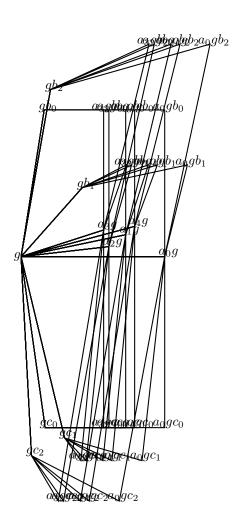


Figure 4: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 

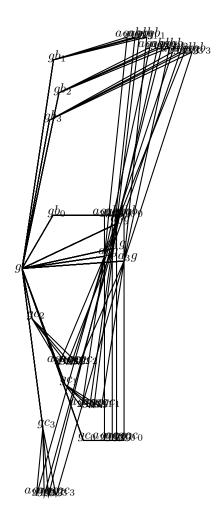


Figure 5: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$