## Quantum LTC With Positive Rate

David Ponarovsky

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preamble. preamble.

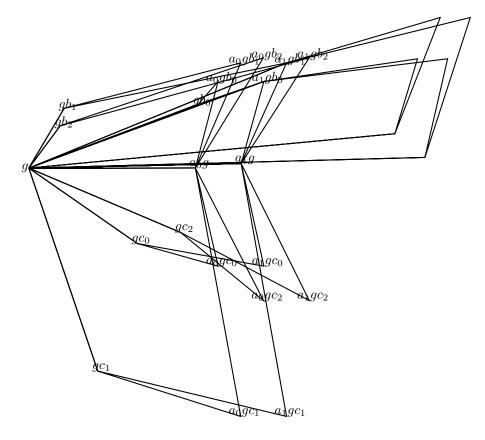


Figure 1: Square of the complex, with edges  $(g,ag), (agb,gb) \in E_A, (g,gb), (agb,ag) \in E_B$ .

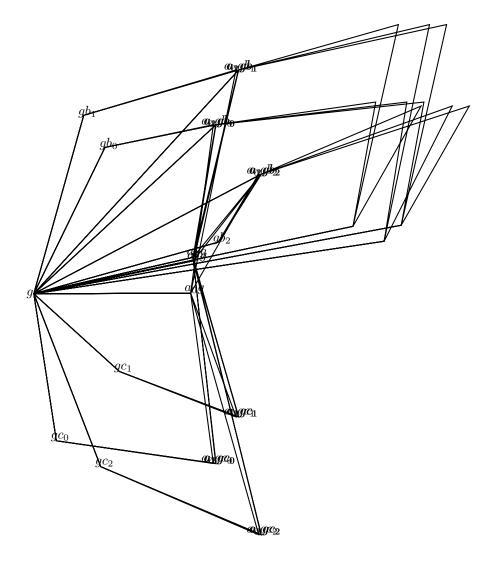


Figure 2: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 

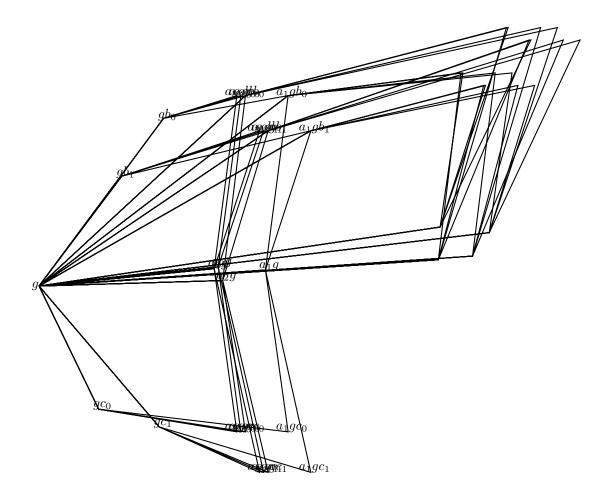


Figure 3: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 

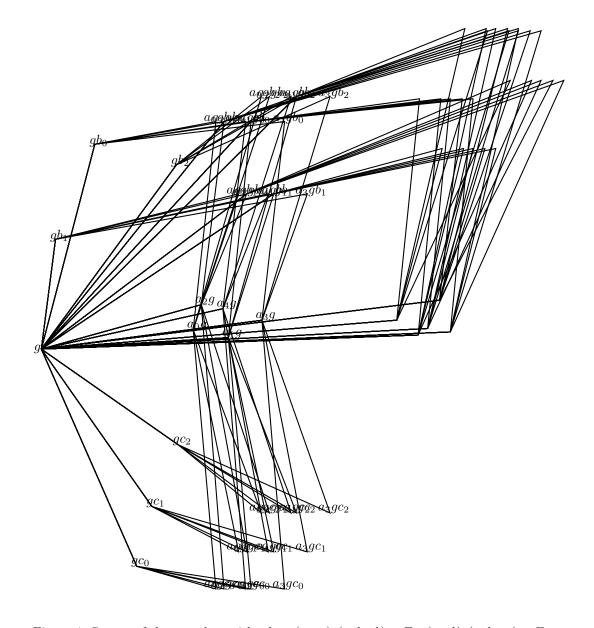


Figure 4: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$ 

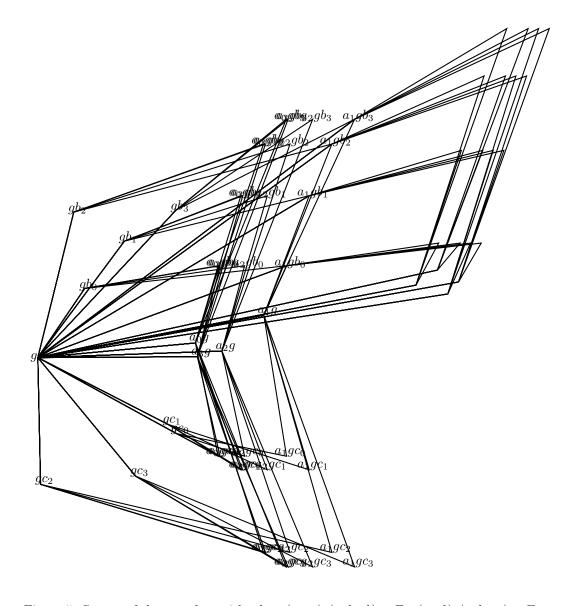


Figure 5: Square of the complex, with edges  $(g,ag),(agb,gb)\in E_A,(g,gb),(agb,ag)\in E_B.$