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On Generalized Noiseless Subsystems

A generalized notion of noiseless subsystems was recently introduced by Kribs, Laflamme and Poulin as part of a unified and generalized approach to quantum error correction called *operator quantum error correction*. One advantage to generalized noiseless subsystems is that they are not restricted to unital channels. In this talk I will present some simple examples and outline necessary and sufficient conditions that describe the existence of generalized noiseless subsystems.