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Vaneet Aggarwal (vaggarwa@princeton.edu), Department of Electrical Engineering, Princeton University, Princeton, NJ 08544, and **Robert Calderbank*** (calderbk@math.princeton.edu), Department of Mathematics, Princeton University, Princeton, NJ 08544. *Boolean Functions, Projection Operators and Quantum Error Correcting Codes*. Preliminary report.

We describe a common mathematical framework for the design of additive and non-additive Quantum Error Correcting Codes that is based on a correspondence between boolean functions and projection operators. The new framework extends to operator quantum error correcting codes. (Received January 09, 2007)