

On quantum locally recoverable codes from curves

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Locally recoverable codes (LRCs) have been considered in the classical setting to recover erasures using a small number of other coordinates, rather than all remaining coordinates of a received word. It has been shown that curves over finite fields provide structures that facilitate this local recovery. Recently, Goodrich and Guruswami introduced the notion of quantum locally recoverable codes (qLRCs). In this talk, we consider qLRCs that arise from curves over finite fields.

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