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Beth Malmskog, Gretchen Matthews and Katie Haymaker*

(kathryn.haymaker@villanova.edu). *Locally Recoverable Codes with Multiple Recovery Sets:*

Theoretical Considerations.

In this talk we discuss constructions of locally recoverable codes motivated by the recent work of Barg, Tamo, and Vladuts. We give theoretical reasons for considering multiple recovery sets, and provide an analysis of the case of transverse recovery sets. (Received January 17, 2017)