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**Gretchen L. Matthews\*** ([gmatthe@clermson.edu](mailto:gmatthe@clermson.edu)), Department of Mathematical Sciences, Clemson University, Clemson, SC 29634-0975. *Codes with locality from quotients of Hermitian curves.*

In some applications, it is necessary to recover a single message or codeword symbol using only local information, meaning information from only a few other coordinates rather than the entire received word. More specifically, a code  $C$  with locality  $r$  has the property that given a received word  $w$ , component  $w_i$  can be recovered by accessing  $w_{i_1}, \dots, w_{i_r}$ . As demonstrated by Barg et. al., a modification of an algebraic geometric construction allows for this. In this talk, we consider codes with locality constructed from quotients of Hermitian curves. (Received August 29, 2016)