

1057-05-107

Xiangqian ZHOU* (xiangqian.zhou@wright.edu), Dept of Math and Stat, Wright State University, 3640 Col. Glenn Hwy, Dayton, OH 45434. *On clones in $GF(q)$ -representable matroids.*

Two elements of a matroid are clones if the map that interchanges the two elements and fixes all other elements is an automorphism of the matroid. In this talk, we present some recent results that relate clones and matroid representability over a finite field. (Received January 14, 2010)