

Combinatorics Seminar

Friday, Feb. 18, 2005

3:00 pm in Hume 331

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Clones in Representable Matroids

ABSTRACT

The notion of a pair of elements being clones in a matroid was introduced recently by Geelen, Oxley, Vertigan, and Whittle. Their work considers when a matrix representing a matroid over a small finite field is uniquely determined up to elementary row operations and column scalings. Here we investigate the relationship between connectivity and non-trivial clone sets in matroids that are representable over particular finite fields. This is joint work with Jakayla Robbins.