

Lucas Rusnak (Binghamton)

Multi-Directed Hypergraph Representations of $\{0,+1,-1\}$ -Matrices

Abstract for the Combinatorics Seminar 2009 January 30

A multi-directed hypergraph is a combinatorial representation of $\{0,+1,-1\}$ -matrices that extends the concepts of signed graphs to hypergraphic analogs. The column dependencies of a $\{0,+1,-1\}$ -matrix can be classified using multi-directed hypergraphs. The classification of column dependencies of matrices corresponding to multi-directed hypergraphs whose edge size is two or less is already known. I will discuss the basic structure of multi-directed hypergraphs and the classification of the column dependencies of any $\{0,+1,-1\}$ -matrix.

From:

<https://www2.math.binghamton.edu/> - **Binghamton University Department of Mathematics and Statistics**

Permanent link:

<https://www2.math.binghamton.edu/p/seminars/comb/abstract.200901rus>

Last update: **2020/01/29 19:03**

