
TAI HUY HA, Tulane University

An algebraic approach to Conforti–Cornuejols conjecture

The Conforti–Cornuejols conjecture states that a clutter (or equivalently, a simple hypergraph) has the Max-Flow-Min-Cut property if and only if it has the packing property. We shall discuss an algebraic approach to this conjecture. In particular, we show that a minimal counterexample to this conjecture, if existed, cannot be an unmixed clutter.

This is a joint work with Susan Morey.