Steven Tedford (Franklin and Marshall)

Connectivity in Lifts of Greedoids

Abstract for the Combinatorics Seminar 2006 April 27

A *greedoid* is an abstract combinatorial structure that captures the essence of the greedy algorithm in combinatorial optimization.

From a given greedoid one can form new ones by a construction called *lifting*. Theorem: When a greedoid is k-connected, then all of its lifts are, too.

I will introduce greedoids and required background that leads to this result. I will also discuss sufficient and necessary conditions for the lift of an undirected branching greedoid to be two-connected.

From:

http://www2.math.binghamton.edu/ - **Department of Mathematics and Statistics, Binghamton University**

Permanent link:

http://www2.math.binghamton.edu/p/seminars/comb/abstract.200604ted

Last update: 2020/01/29 19:03

