

Polymatroids and excluded minors

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Abstract

Nearly 10 years after Deborah Chun's paper on excluded minors for deletion-contraction polymatroids appeared, Carolyn Chun began working with Joseph Bonin and Steven Noble on some excluded minor characterizations of certain classes of polymatroids related to D. Chun's work. In this talk, I define a polymatroid and present some of D. Chun's results. I will also give some motivating background and relate this subject to ongoing work in matroid theory. Note: A polymatroid is NOT a kind of matroid, but a matroid IS a polymatroid.

Keywords: matroid, polymatroid, excluded minors, Carolyn Chun, Deborah Chun.