Combinatorics Seminar

Wednesday, Jan. 14, 2009
2:00 pm in Hume 331

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A chain theorem for internally 4-connected binary matroids

ABSTRACT

Let $M$ be a matroid. When $M$ is 3-connected, Tutte’s Wheels- and-Whirls Theorem proves that $M$ has a 3-connected proper minor $N$ with exactly one element fewer than $M$ unless $M$ is a wheel or a whirl. I will present a corresponding result for internally 4-connected binary matroids. This presentation is based on joint work by myself, Dillon Mayhew, and James Oxley.