## **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.