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**Joseph E. Bonin\*** (jbonin@gwu.edu), Department of Mathematics, The George Washington University, Washington, DC 20052. *The excluded minors for lattice path matroids.*

Lattice path matroids are special transversal matroids that have a simple interpretation in terms of lattice paths. They have many attractive properties, many of which fail for arbitrary transversal matroids; for instance, the class of lattice path matroids is minor-closed and dual-closed; also, their Tutte polynomials can be computed in polynomial time. The first part of this talk will give a brief overview of lattice path matroids; the second will present the (infinitely many!) excluded minors for this class of matroids (that is, the minor-minimal obstructions to membership in the class) along with a sketch of the proof of this result. (Received June 5, 2011)