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Deborah Chun* (dchun@math.lsu.edu), Department of Mathematics, Louisiana State University, Baton Rouge, LA 70803-4918. *Elements in unavoidable minors of 3-connected binary matroids.*

Ding, Operowski, Oxley, and Vertigan proved that every sufficiently large 3-connected, binary matroid has as a minor a large binary spike, or, for a large n , the cycle or bond matroid of an n -spoked wheel or $K_{3,n}$. We discuss what can be said when one seeks to keep a specified element in one of the special minors. (Received January 26, 2010)