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Deborah Chun* (dchun@math.lsu.edu), Mathematics Department, Louisiana State University, Baton Rouge, LA 70803. *Matroids with every two elements in a 4-element circuit*. Preliminary report.

This talk considers the matroids with the property that, for every two distinct elements e and f , there is a 4-element circuit containing $\{e, f\}$. We show that, with one minor caveat, the graphic matroids with this property coincide with the cycle matroids of complete multipartite graphs. We also discuss the classes of regular and binary matroids with this property. (Received February 05, 2008)