1067-05-1092 **Bertrand Guenin**, Dept. of Combinatorics and Optimization, University of Waterloo, 200 University Avenue West, Waterloo, ON N2L 3G1, Canada, **Irene Pivotto***, Dept. of Combinatorics and Optimization, University of Waterloo, 200 University Avenue West, Waterloo, ON N2L 3G1, Canada, and **Paul Wollan**, Dept. of Computer Science, University of Rome, La Sapienza, Via Salaria 113, 00198 Rome, Italy. *Non-degenerate even cycle matroids.*

A signed graph is a representation of an even cycle matroid M if the cycles of M correspond to the even cycles of the signed graph. Two signed graphs are equivalent if they are related by Whitney flips and signature exchanges. An even cycle matroid is degenerate if it is the projection of a graphic matroid. We show that an even cycle matroid which contains a non-degenerate fixed size minor has a bounded number of inequivalent representations. For instance, even cycle matroids which contain R_10 as a minor have at most six non-equivalent representations. If time permits we will also discuss a similar result for even cut matroids. (Received September 18, 2010)