

Regular excluded minors for the class of signed graphic matroids

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Abstract. This is a preliminary report on a joint research with Dan Slilaty. Consider the class of biased matroids of signed graphs. It is known that the cographic excluded minors for the class are the bond matroids of 2-connected excluded minors for the class of projective planar graphs. The goal of this research is to determine the regular excluded minors. We will present some partial results.