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On Mighton's characterization of graphic matroids. (English) [Zbl 1203.05030](#)
J. Comb. Theory, Ser. B 100, No. 5, 493-496 (2010).

Summary: *J. Mighton* ["A new characterization of graphic matroids," *J. Comb. Theory, Ser. B* 98, No. 6, 1253-1258 (2008; [Zbl 1170.05020](#))] recently gave a new characterization of graphic matroids. This note combines Mighton's approach with a result of *W.H. Cunningham* ["Separating cocircuits in binary matroids," *Linear Algebra Appl.* 43, 69-86 (1982; [Zbl 0487.05015](#))] to provide a shorter, more direct proof of Mighton's result.

MSC:

05B35 Combinatorial aspects of matroids and geometric lattices

Cited in 4 Documents

Keywords:

binary matroids; graphic matroids; graph realization; avoidance graph

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