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Randomised approximation of the number of bases. (English) [Zbl 0862.05020](#)

Bonin, Joseph E. (ed.) et al., Matroid theory. AMS-IMS-SIAM joint summer research conference on matroid theory, July 2–6, 1995, University of Washington, Seattle, WA, USA. Providence, RI: American Mathematical Society. Contemp. Math. 197, 371-376 (1996).

The exact enumeration of the number of bases of a matroid is known to be $\#$ -hard and even a good approximation is impossible if deterministic methods can only be used. The authors show that a polynomial randomised approximation scheme exists for a large class of matroids.

For the entire collection see [\[Zbl 0852.00021\]](#).

Reviewer: [A.Recski \(Budapest\)](#)

MSC:

[05B35](#) Combinatorial aspects of matroids and geometric lattices

Cited in **1** Document

Keywords:

[enumeration](#); [number of bases](#); [matroid](#); [polynomial randomised approximation scheme](#)