



All papers ▾

Go!

Mathematics > Combinatorics

A catalogue of small regular matroids and their Tutte polynomials

Harald Friepertinger, Marcel Wild

(Submitted on 7 Jul 2011)

A catalogue of all non-isomorphic simple connected regular matroids \mathcal{M} of cardinality $n \leq 15$ is provided on the net. These matroids are given as binary matrix matroids and are sieved from the large pool of all non-isomorphic binary matrix matroids of cardinality ≤ 15 . For each \mathcal{M} its Tutte polynomial is determined by an algorithm based on internal and external base activity.

Comments: Eight pages, one figure on page 6

Subjects: **Combinatorics (math.CO)**

Cite as: **arXiv:1107.1403 [math.CO]**

(or **arXiv:1107.1403v1 [math.CO]** for this version)

Submission history

From: Marcel Wild [[view email](#)]

[v1] Thu, 7 Jul 2011 14:29:37 GMT (14kb)

Which authors of this paper are endorsers?

Link back to: [arXiv](#), [form interface](#), [contact](#).

Download:

- [PDF](#)
- [PostScript](#)
- [Other formats](#)

Current browse context:

math.CO

[< prev](#) | [next >](#)

[new](#) | [recent](#) | [1107](#)

Change to browse by:

[math](#)

References & Citations

- [NASA ADS](#)

Bookmark (what is this?)

