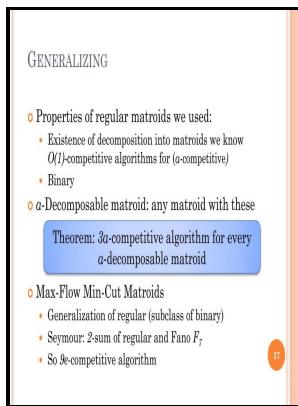


# Matroid decomposition

## Academic Press - Decomposition width of matroids



Description: -

- Decomposition (Mathematics)

Matroids.Matroid decomposition

-Matroid decomposition

Notes: Includes bibliographical references (p. 350-377) and indexes.

This edition was published in 1992



Filesize: 55.22 MB

Tags: #Branch #decomposition #heuristics #for #linear #matroids

### Matroid Decomposition by Klaus Truemper

In linear algebra, this corresponds to restricting to the subspace generated by the vectors in S. In the late 1960s matroid theorists asked for a more general notion that shares the different aspects of finite matroids and generalizes their duality.

### Branch decomposition heuristics for linear matroids

An older standard source is Welsh 1976.

### Matroid Decomposition Book Re

According to a matroid version of, the dual of a graphic matroid M is a graphic matroid if and only if M is the matroid of a. Not to be confused with or.

### Matroid decomposition (1998 edition)

To be able to extend these algorithmic results to matroids not representable over finite fields, we introduce a new width parameter for matroids, the decomposition width, and show that every matroid property expressible in the monadic second-order logic can be computed in linear time for matroids given by a decomposition with bounded width.

### Branch decomposition heuristics for linear matroids

It was also independently discovered by , whose work was forgotten for many years.

### Matroid base polytope decomposition

Computational results using the methods on linear matroid instances are shown respectively.

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## Related Books

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