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**Decomposition of search for  $v$ -structures in DAGs.** (English) Zbl 1137.62420

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Summary: We show that the problem of searching for  $v$ -structures in a directed acyclic graph can be decomposed into searches in its decomposed subgraphs. This result simplifies the search for  $v$ -structures and the recovery of local causal relationships.

**MSC:**

[62P99](#) Applications of statistics  
[05C20](#) Directed graphs (digraphs), tournaments  
[62H99](#) Multivariate analysis  
[05C90](#) Applications of graph theory

Cited in **6** Documents

**Keywords:**

[Decomposition](#); [Directed acyclic graph](#); [Moral graph](#);  [\$v\$ -structure](#)

**Software:**

[MIM](#); [TETRAD](#)

**Full Text:** [DOI](#)

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