
* Princeton Discrete Math Seminar *

Date: Wednesday, April 20, 2:15 in Fine Hall 224

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**Clique-width for graph classes defined by
forbidden four-vertex subgraphs**

Abstract

Clique-width of graphs is a major new concept with respect to efficiency of graph algorithms. The notion of clique-width extends the one of treewidth, since bounded treewidth implies bounded clique-width.

We give a complete classification of all graph classes defined by forbidden induced subgraphs of at most four vertices with respect to bounded or unbounded clique-width.