

Duality of hypergraphs

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Abstract

In this paper, some notions and basic concepts related to hypergraph are presented. Next, hypergraph modeling examples are described. Finally, several results obtained from the matching, covering, independent and transversal of hypergraphs such as the Konig property and the dual Konig property are added.

Keyword: k-regular, rank, incidence matrix, subhypergraph, a stable, a transversal, a matching, a covering.

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