

planetmath.org

Math for the people, by the people.

edge covering

Canonical name EdgeCovering

Date of creation 2013-03-22 12:40:02 Last modified on 2013-03-22 12:40:02

Owner vampyr (22) Last modified by vampyr (22)

Numerical id 8

Author vampyr (22)
Entry type Definition
Classification msc 05C70
Related topic Matching

Defines minimal edge covering

Let G be a graph. An *edge covering* C on G is a subset of the vertices of G such that each edge in G is incident with at least one vertex in C.

For any graph, the vertex set is a trivial edge covering. Generally, we are more interested in $minimal\ coverings$. A minimal edge covering is simply an edge covering of the least possible .