

COMBINATORICS
SEMINAR

Edge Partitions of Graphs by Trees

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Abstract: Let $tp(G)$ denote the minimum number of subsets into which the edge set of a graph G can be partitioned so that each subset induces a tree. For a connected graph G of order n , it is known that $tp(G) \geq (n+1)/2$. The clique number of a graph G is the maximum t such that G contains a complete subgraph of order t . In this talk we consider the problem of determining $tp(G)$ for a connected graph G of order n and clique number t .

Friday, April 23, 2010, 4:00 pm
Mathematics and Science Center: W302

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EMORY UNIVERSITY