

COMBINATORICS
SEMINAR

On generalized Folkman numbers

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Abstract: Extending the previous results on Folkman numbers for cliques we are interested in the following generalization. For a given graph G and a number of colors r let $F(G,r)$ be the order of the smallest graph H such that the clique number of H equals the clique number of G and any r -coloring of the vertices of H yields a monochromatic and induced copy of G . In this talk we give a relatively small upper bound on $F(G,r)$ as a function of the order of G and its clique number.

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MATHEMATICS AND COMPUTER SCIENCE
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