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Andrzej Dudek*, Department of Mathematics, Western Michigan University, Kalamazoo, MI 49008. *On restricted Ramsey numbers.*

A classical Ramsey theorem states that in any 2-coloring of the edges of a sufficiently large complete graph, one will always find a monochromatic complete subgraph. In 1970, Folkman extended this result showing that for any graph G there exists a graph H with the same clique number as G such that any 2-coloring of the edges of H yields a monochromatic copy of G .

In this talk, we present some old and recent developments concerning Folkman-type results for vertex colorings of graphs and hypergraphs. (Received June 23, 2012)