

1040-05-125

Dhruv Mubayi* (mubayi@math.cmu.edu), **Tom Bohman** and **Alan Frieze**. *Coloring H -free hypergraphs.*

Let H be an r -uniform hypergraph. What is the minimum number of edges in an H -free r -uniform hypergraph with chromatic number greater than k ? We consider this problem for various H . In the special case when H consists of two edges sharing p vertices, we improve the previous best upper bounds due to Kostochka, Rodl, Mubayi and Tetali.

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