

1152-05-478

Tom Bohman* (tbohman@math.cmu.edu) and **Emily Zhu**. *On multicolor Ramsey numbers of triple system paths of length 3.*

Let H be a 3-uniform hypergraph. The multicolor Ramsey number $r_k(H)$ is the smallest integer n such that every coloring of $\binom{[n]}{3}$ with k colors has a monochromatic copy of H . Let L be the loose 3-uniform path with 3 edges and M denote the messy 3-uniform path with 3 edges; that is, let $L = \{abc, cde, efg\}$ and $M = \{abc, bcd, def\}$. In this talk we present new upper bounds on $r_k(L)$ and $r_k(M)$. (Received September 10, 2019)