1083-13-204 **Tài Hà** and **Russ Woodroofe\*** (`rwoodroofe@math.msstate.edu`), Department of Mathematics & Statistics, 175 President Circle, Starkville, MS 39762. *Regularity of clutters with collages.*

Hà and Van Tuyl showed that if $I$ is an edge ideal of a graph, then the regularity of $R/I$ is at most the matching number of the graph. Indeed, the regularity of $R/I$ is bounded by the minimum size of a maximal matching of the graph. In joint work with Tài Hà, we give an extension of this bound from graphs to clutters (hypergraphs). A main step is to find the correct generalization of matching, the *collages* of the title. (Received August 28, 2012)

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