

1125-05-843

Hao Huang and **Yi Zhao*** (yzhao6@gsu.edu). *Degree version of the Erdős-Ko-Rado Theorem.*

We use an algebraic method to prove a degree version of the celebrated Erdős-Ko-Rado theorem: given $n > 2k$, every intersecting k -uniform hypergraph H on n vertices contains a vertex that lies on at most $\binom{n-2}{k-2}$ edges. (Received September 12, 2016)