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)