
KAREN MEAGHER, University of Regina

All 2-transitive groups have the Erdos-Ko-Rado Property

The Erdős-Ko-Rado (EKR) theorem gives the size of the largest family of intersecting subsets of a set. For any object where a notion of intersection is defined, it can be asked if a version of the EKR theorem holds. Two permutations are intersecting if they both map some i to the same point. With this definition, versions of the EKR theorem have been proven for many different specific groups. Recently Pablo Spiga, Pham Huu Tiep and I determined the size of the maximum intersecting set of permutations from any 2-transitive group. I will present this elegant result.