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Erdős-Ko-Rado theorems for 2-transitive groups

Two permutations are *intersecting* if there is at least one element on which the permutations agree. For any permutation group, we can ask what is the size of the largest set of intersecting permutations? If a group has the property that a point stabilizer is a largest intersecting set in the group, then we say the group has the *EKR property*. In this talk I will show that all 2-transitive groups have the EKR property, and also have a further property that partially characterizes the maximum intersecting sets in the group.