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*Synchronization update*

Synchronization and separation are permutation group properties lying between primitivity and 2-transitivity; the first comes from the theory of synchronizing automata and the second is closely related. Rather few examples are known of permutation groups which are synchronizing but not separating. Recently, it has been shown that such a group must be almost simple (in the O’Nan–Scott classification). I also report on recent results on some classes of groups, such as symmetric or alternating groups acting on  $k$ -subsets of the original domain.