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## permutation group

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Owner bwebste (988) Last modified by bwebste (988)

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Author bwebste (988) Entry type Definition Classification msc 20B05 A permutation group is a pair (G, X) where G is an abstract group, and X is a set on which G acts faithfully. Alternatively, this can be thought of as a group G equipped with a homomorphism in to  $\operatorname{Sym}(X)$ , the symmetric group on X.