

Counting packings of generic subsets in finite groups

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A packing of subsets S_1, \dots, S_n in a group G is a sequence (g_1, \dots, g_n) such that $g_1 S_1, \dots, g_n S_n$ are disjoint subsets of G . We give a formula for the number of packings if the group G is finite and if the subsets S_1, \dots, S_n satisfy a genericity condition.

Subjects: **Combinatorics (math.CO)**; Group Theory (math.GR); Number Theory (math.NT)

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