

1.95: Stabilizer

Let G be a group which acts on a set A by a composition law $*$, and let a be a given element of A . Then the set: $G_a = \{g \in G \mid a * g = a\}$ is called the **stabilizer** of A . G_a is the set of all elements of G which leave a unchanged or 'stable'. G_a is a subgroup of G .

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