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orbit

Canonical name Orbit

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Author djao (24) Entry type Definition Classification msc 20M30 Let G be a group, X a set, and $\cdot: G \times X \longrightarrow X$ a group action. For any $x \in X$, the orbit of x under the group action is the set

$$\{g \cdot x \mid g \in G\} \subset X.$$