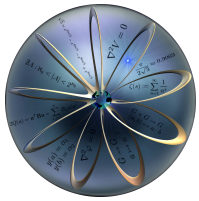

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Jordan's theorem (multiply transitive groups)

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Let G be a sharply n-transitive permutation group, with $n \geq 4$. Then

1. G is similar to S_n with the standard action or
2. G is similar to A_{n+2} with the standard action or
3. $n = 4$ and G is similar to M_{11}, the Mathieu group of degree 10 or
4. $n = 5$ and G is similar to M_{12}, the Mathieu group of degree 11.