

Finite simple groups on triple systems*

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Abstract

Let $\mathcal{D}$ be a triple system, and let G be a finite simple group. In this paper we almost determine all possibilities of $\mathcal{D}$ admitting G as its flag-transitive automorphism group.

Keywords: Triple system, flag-transitivity, finite simple group.

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Končne enostavne grupe sistemov trojk*

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Povzetek

Naj bo $\mathcal{D}$ sistem trojk, in naj bo G končna enostavna grupa. V tem članku določimo skoraj vse možne sisteme trojk $\mathcal{D}$, ki dopuščajo G kot svojo praporno tranzitivno grupo avtomorfizmov.

Ključne besede: Sistem trojk, praporna tranzitivnost, končna enostavna grupa.

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