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Mathematics > Combinatorics

Generalised quadrangles with a group of automorphisms acting primitively on points and lines

John Bamberg, Michael Giudici, Joy Morris, Gordon F. Royle, Pablo Spiga

(Submitted on 20 Jul 2011)

We show that if G is a group of automorphisms of a thick finite generalised quadrangle Q acting primitively on both the points and lines of Q, then G is almost simple. Moreover, if G is also flag-transitive then G is of Lie type.

Comments: 20 pages

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