Poizat, Bruno

MM. Borel, Tits, Zil'ber et le général nonsense. (French) Zbl 0662.03022

J. Symb. Log. 53, No. 1, 124-131 (1988).

The aim of this paper is not clear to the reviewer. The author claims that he is interested in the Cherlin conjecture stating that a simple group of finite Morley rank is an algebraic group over an algebraically closed field, and proves a very special case of a theorem of Borel and Tits (an automorphism of a simple algebraic group over an algebraically closed field comes from an automorphism of the ground field composed with an automorphism of the group as a quasi-variety) using heavily model- theoretic methods. Of course, it is these methods, more than the result, which are interesting.

Reviewer: D.Lascar

MSC:

03C45 Classification theory, stability and related concepts in model theory
03C60 Model-theoretic algebra
20G99 Linear algebraic groups and related topics

Keywords:

Cherlin conjecture; simple group; finite Morley rank; algebraic group over an algebraically closed field; automorphism

Full Text: DOI