

Abstract

On Automorphisms of a binary Fano plane

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The existence of a binary q -analog of a Fano plane is still unknown. Kiermaier, Kurz and Wassermann proved that its automorphism group is almost trivial. Namely, it contains at most two elements. The method used there involved Kramer - Masner method together with an extensive computer search. In this talk we provide an algebraic (computer free) proof that automorphisms of certain order can't do action on a binary q -analog of a Fano plane.