On a conjecture of Kiermaier and Kurz

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In (*Discrete Math.* **309** (2009), 4564–4575) Kiermaier and Kurz gave $(q(q-1)r)^2$ integral automorphisms of the affine plane $AG(2,q)$ where $q \equiv 1(mod 4)$, and conjectured that these comprise all integral automorphisms if $q \notin \{5,9\}$. In this talk we prove the conjecture, and by this complete the classification of integral automorphisms of every affine plane $AG(2,q)$.