

Publication

Affine surfaces with a huge group of automorphisms

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We describe a family of rational affine surfaces S with huge groups of automorphisms in the following sense: the normal

subgroup $\text{Aut}(S)_{\text{alg}}$ of $\text{Aut}(S)$ generated by all algebraic subgroups of $\text{Aut}(S)$ is not generated by any countable family

of such subgroups, and the quotient $\text{Aut}(S)/\text{Aut}(S)_{\text{alg}}$ contains a free group over an uncountable set of generators.

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