ON THE FIXED FIELD OF A GENERIC AUTOMORPHISM

K. Zh. Kudaibergenov

The notion of an almost generic automorphism is introduced and the fixed field is studied of an almost generic automorphism of a stable field. In particular, it is proven that the fixed field of an almost generic automorphism of a separably closed field is regularly closed and its absolute Galois group is isomorphic to $\widehat{\mathbb{Z}}$.

Key words and phrases: almost generic automorphism, stable field, separably closed field.

Kudajbergenov Kanat Zhanzakovich
    Institute of Mathematics,
    480100 Almaty, Kazakhstan.
    E-mail: kanat@math.kz