GENERIC AUTOMORPHISMS

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We study generic sequences of automorphisms. For some classes of models (for example, saturated models), we show that every sequence of automorphisms whose length does not exceed the cardinality of the model is the element-wise product of two generic sequences. We also prove that the fixed field of a finite generic sequence of automorphisms of a separably closed field is regularly closed.

Key words and phrases: generic sequence of automorphisms, homogeneous model, separably closed field.

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