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MODEL THEORY OF FIELDS WITH GROUP SCHEME ACTIONS

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Abstract

This lectures will be about algebraic model theory, which focuses on model-theoretic properties of concrete algebraic structures (as groups, fields, modules etc.). More specifically, we will consider model theory of fields, where “field” is understood as “field with a possible extra structure”. These extra structure will be given particular group scheme actions: actions of constant groups (“usual” groups) and actions of infinitesimal group schemes resulting in iterative Hasse-Schmidt derivations.

Date : Saturday, December 12, 2020

Time: 16:00