

Oberseminar Algebra Cologne,
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Title: Birational maps of the plane over a perfect field

Abstract: The group of birational maps of the projective plane has been studied over a century, and classically over algebraically closed fields.

I would like to compare some properties of this group over algebraically closed fields and perfect fields, in particular signature morphisms of the group that do not exist over algebraically closed fields. This is joint work with Stéphane Lamy.