

Oberseminar zur Algebra

Lehrstühle A und D für Mathematik

Vortragsankündigung

Zeit und Ort: **Donnerstag, 10. Dezember 2009, 14.00 Uhr bis 15.30 Uhr** in Fo 6 (Kármán)

Vortragender: **Prof. David Harbater (University of Pennsylvania)**

Titel: **Patching and admissibility**

Inhalt: This talk concerns a notion that was introduced by Schacher, relating Galois theory to division algebras. Given a field F , a finite group G is said to be admissible over F if some G -Galois field extension of F is a maximal subfield of an F -division algebra. Schacher proved a necessary condition for a group to be admissible over the rationals, and conjectured that it is sufficient. Using patching, we obtain a necessary and sufficient condition for admissibility over a function field of a curve over a complete discretely valued field with algebraically closed residue field of characteristic zero.

Wir laden alle Interessierten herzlich zu diesem Vortrag ein.