Gastvortrag

Donnerstag, 5. November 2015
14.00 Uhr
Seminarraum II

Dr. Christopher Frei
TU Graz

The Hasse norm principle for abelian extensions

Abstract:

Let *L*/*K* be a normal extension of number fields. The Hasse norm principle is a local-global principle for norms. It is satisfied if any element *x* of *K* is a norm from *L* whenever it is a norm locally at every place. For any fixed abelian Galois group *G*, we investigate the density of *G*-extensions violating the Hasse norm principle, when *G*-extensions are counted in order of their discriminant. This is joint work with Dan Loughran and Rachel Newton.

Einladender: Volker Ziegler