Institut f. Analysis und Zahlentheorie

Zahlentheoretisches Kolloquium

Freitag, 13. 7. 2018, 14:15 Uhr

Seminarraum Analysis-Zahlentheorie (NT02008), Kopernikusgasse 24/II

Average bounds for l-torsion in class groups

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Abstract: Let l be a positive integer. We discuss improved average bounds for the l-torsion of the class groups for some families of number fields, including degree-d-fields for d between 2 and 5. The improvements are based on refinements of a technique due to Ellenberg and Venkatesh. This is joint work with Martin Widmer.

R.Tichy