Oberseminar Zahlentheorie und arithmetische Geometrie

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(Göttingen)

Explicit lower bounds for Newton polygons of the U operator

For p=5,7,13; I will show a quadratic lower bound for the Newton polygon of the operator U_p acting on overconvergent modular forms of tame level 1. The methods of proofs are explicit. As an application, using Coleman's theory for analytic families of p-adic modular forms, I will show some congruences between classical modular forms of different weight.
This is join work with Ian Kiming.

Donnerstag, 02.11.2017, 12:00 – 13:00, g117

Alle Interessierten sind herzlich eingeladen.