

Number Theory Seminar

Affine flag varieties and bad reduction of Shimura varieties

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ABSTRACT: In order to understand arithmetic properties of Shimura varieties, it is important to study their reduction to positive characteristic. In general these reductions will have singularities (this is called the case of bad reduction), and many interesting questions about these singularities arise. In this talk, I will discuss how in some cases affine flag varieties, which are infinite-dimensional analogues of usual flag varieties, can be used as a tool to tackle such questions.

Date: Friday, 01.12.2006 at 14.15pm

Place: HWZ (HG G43)

G. Wüstholtz